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ABSTRACT

The fall 1977 survey of Graduate Science Student Support and Postdoctorals (GSSSP) covered graduate science and engineering departments at doctorate-granting institutions, including medical schools, and departments in institutions that grant a master's as the highest degree. The 1977 universe consisted of 370 doctorate institutions with 7,951 departments and an additional 1,562 departments in 326 master's institutions. Tables are presented on the number of institutions and departments surveyed under the Graduate Traineeship Program from 1967 to 1971 and those covered by the GSSSP from 1972 to 1977. The extent of the expansion at both doctorate-granting and master's-granting institutions is indicated, and department and enrollment coverage since the survey series began are included. Institutions participating in the survey are presented alphabetically within each state for both doctorate-granting and master's-granting institutions accompanied by the classification code developed by the Carnegie Commission on Higher Education. Instructions for completing the departmental data sheets, the survey instruments, and summary tables of the findings are appended. (SW)

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ED167030

GRADUATE SCIENCE EDUCATION: STUDENT SUPPORT AND POSTDOCTORALS
FALL 1977

Technical Notes and Detailed Statistical Tables

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

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Contents

Page

General Notes 1

Appendixes

- I. Technical Notes 2
- II. Classification of Institutions in the Survey 6
- III. Statistical Tables 13
- IV. Instructions, Survey Instruments, and Summaries 194

4

General Notes

- The sixth annual Survey of Graduate Science Student Support and Postdoctorals was conducted in fall 1977 by the National Science Foundation. The survey originated in 1972 and was limited to graduate science and engineering (S/E) departments at doctorate-granting institutions, including medical schools. In 1976 coverage was expanded to include S/E departments in institutions that grant a master's as the highest degree. The full-scale survey to all graduate S/E departments at both master's- and doctorate-granting institutions will be conducted on a biennial basis in the future, using "short forms" directed to doctorate-granting institutions only in intervening years. Thus, the next full-scale survey is scheduled for fall 1979.

- Appendix III, Statistical Tables, is divided into five sections (series A through E); each series should be independently examined by first studying the departmental population table which appears as the first table in each series. This table describes the number and characteristics of all departments represented in each group of data tables that follow. The data tables are arranged to display the current year's data and either 2- or 3-year trend tables.

- The fall 1977 survey was directed to all graduate institutions with at least one department in a science or engineering field. The universe for 1977 included 7,951 graduate departments in 370 doctorate-granting institutions and another 1,562 graduate departments at 326 master's institutions.

- Of the 370 doctorate institutions surveyed in fall 1977, only one institution was unable to respond to the survey and for the 33 departments in this institution, data were imputed based on the previous year's response. Within the responding institutions, an additional 20 departments required full or partial imputation, while only three were considered totally nonrespondent.

- Among the 326 master's-granting institutions participating in the 1977 survey, 10 departments in three institutions required full imputation based on the previous year's response. In addition, partial imputation was needed to complete either source of major support or sex of student categories in 169 departments at 18 institutions. Only three institutions have remained nonrespondents to the survey in both 1976 and 1977.

- The survey instruments differed somewhat for master's- and doctorate-granting institutions in fall 1977; copies may be found in appendix IV. In both surveys data were collected on the number, sex, and citizenship of full-time graduate students, their major source of support, and the number and sex of part-time students. Doctorate institutions, however, were requested to classify full-time students by their mechanism or type of major support and to report on selected characteristics of postdoctoral appointments.

- Changes in enrollment and support characteristics are presented in both 2- and 3-year trend tables. All tables for both master's and doctorate institutions cover the 1975-77 period, except for the data on support patterns and sex at master's institutions, which are available for 1976 and 1977 only. Since the total number of responding institutions varies only slightly between 1975 and 1977, trend data may be considered representative for the period covered in this publication. Caution must be exercised, however, when using the "C"-series tables: the total number of institutions responding to the master's survey increased by 16 between 1976 and 1977. These 16 institutions provided data for an additional 92 departments accounting for 3,595 students (1,082 full time and 2,513 part time), or nearly one-half of the *total* increase shown in the "C"-series tables for master's-granting institutions.

- The term "science" as used in the survey is understood to include engineering; "institutional support" includes students supported by funds allocated to the institutions from State and local governments, as well as directly by the institutions themselves; and "other outside sources" include support of students by private industry, nonprofit organizations, and all other U.S. or foreign sources.

- Details shown in statistical tables may not add to totals because of rounding.

- An analytical report will follow this publication. Requests for additional information concerning the survey findings or the availability of data tapes should be addressed to Mrs. Susan G. Broyles, Universities and Nonprofit Institutions Studies Group, Division of Science Resources Studies, National Science Foundation, Washington, D.C. 20550, (202) 634-4673.

Appendix I
Technical Notes

Table — Page

I-1. Institutions and graduate departments participating in NSF data collection series: 1967-77 3
  A. Graduate Traineeship Program: 1967-71
  B. Survey of Graduate Science Student Support and Postdoctorals—
    Doctorate-granting institutions: 1972-77
    Master's-granting institutions: 1975-77

I-2. Number of graduate departments and full-time graduate enrollment at doctorate-granting institutions by area of science: 1971-77 3

I-3. Number of graduate departments and full-time graduate enrollment at master's-granting institutions by area of science: 1975-77 3

I-4. Imputation for nonresponse at doctorate-granting institutions by area of science and enrollment status: 1977 5

I-5. Imputation for nonresponse at master's-granting institutions by area of science and enrollment status: 1977 5

Survey Background—Establishing the Universe

The National Science Foundation (NSF) has collected data annually on graduate science enrollment since 1967 when applications to its Gradute Traineeship Program required information on the types and sources of major support of graduate science students and postdoctorals. In 1972 a full-scale survey was introduced to include all institutions known to grant at least one doctoral degree in a science or engineering program. The survey was expanded again in 1973 as a result of NIH's special interest in responses from the biomedical and clinical departments. A thorough search of all graduate school catalogs and institutional directories added 14 doctorate-granting institutions and approximately 1,500 departments to the 1973 universe. Finally, in order to examine all graduate science enrollment, the universe was again expanded during the 1976 survey year to include institutions granting a master's in science or engineering as the highest degree. The 1977 universe consisted of 370 doctorate institutions with 7,951 departments and an additional 1,562 departments in 326 master's institutions.

In response to the recent emphasis on reducing the Federal paperwork burden at the institution level, NSF will conduct the full-scale Survey of Graduate Science Student Support and Postdoctorals (GSSSP) on a biennial basis beginning with the 1977 survey year. Short forms requesting selected data items will be sent to doctorate institutions only in the alternate years.

Table I-1 shows the number of institutions and departments surveyed under the Graduate Traineeship Program from 1967 to 1971 and those covered by the GSSSP from 1972 to 1977.

The 1977 survey universe of doctorate institutions included 263 graduate schools with 4,960 departments and 107 medical schools with 2,991 departments. Tables I-2 and I-3 indicate the extent of the expansion at both doctorate- and master's-granting institutions and include department and enrollment coverage since the survey series began. The addition to the universe of nearly 4,900 departments and 73,500 full-time students over the period 1971-77 resulted from several factors: (1) The universe for the first survey year 1972 was derived from the data base already in existence—the NSF Graduate Traineeship Program—with the addition of 78 institutions that were known to grant at least one Ph.D. in science or engineering; (2) it was expanded again in 1973 to include all clinical and medical science departments in medical schools; (3) a special study of this 1973 universe through a review of graduate school catalogs revealed the names of additional science departments that had not been surveyed; these were added to the universe on a computer-generated Form 811 for review by Survey Coordinators in response to the 1974 survey; and (4) the expansion in 1976 to include an additional 1,400 departments in all science master's-granting institutions completed the universe of all graduate S/E departments.

Table I-1. Institutions and graduate departments participating in NSF data collection series: 1967-77

Year of series	Number of institutions	Number of departments: Total	Master's	Doctorate
A. Graduate Traineeship Program				
1967	209	3,016	436	2,580
1968	219	3,190	454	2,736
1969	224	3,354	460	2,894
1970	227	3,544	473	3,071
1971	224	3,397	407	2,990
B. Survey of Graduate Science Student Support and Postdoctorals				
Doctorate institutions				
1972[1]	302	4,593	778	3,815
1973	339	6,577	873	5,704
1974	355	7,501	1,363	6,138
1975	354	7,634	1,421	6,213
1976	361	7,747	1,475	6,272
1977	370	7,951	1,577	6,374
Master's institutions				
1975[2]	309	1,325	1,325	—
1976	309	1,366	1,366	—
1977	326	1,562	1,562	—

[1] Survey in 1972 included selected data items for 1971. [2] The survey of master's institutions in 1976 included selected data items for 1975. SOURCE: National Science Foundation

Table I-3. Number of graduate departments and full-time enrollment at master's-granting institutions by area of science: 1975-77

Area of science	1975 Number of departments	1975 Full-time enrollment	1976 Number of departments	1976 Full-time enrollment	1977 Number of departments	1977 Full-time enrollment
Total, all areas	1,325	17,624	1,366	18,174	1,562	19,976
Engineering	139	960	140	968	167	954
Physical and environmental sciences	222	1,139	227	1,008	2441	1,200
Mathematical sciences	155	1,096	159	1,166	178	959
Life sciences	308	4,265	318	4,784	374	4,905
Psychology	155	4,600	158	4,338	177	4,753
Social sciences	346	5,564	364	5,910	422	7,295

SOURCE: National Science Foundation

Table I-2. Number of graduate departments and full-time enrollment at doctorate-granting institutions by area of science: 1971-77

Area of science	1971 Number of departments	1971 Full-time enrollment	1972 Number of departments	1972 Full-time enrollment	1973 Number of departments	1973 Full-time enrollment	1974 Number of departments	1974 Full-time enrollment	1975 Number of departments	1975 Full-time enrollment	1976 Number of departments	1976 Full-time enrollment	1977 Number of departments	1977 Full-time enrollment
Total, all areas	4,637	164,764	4,637	161,329	6,559	164,318	7,501	195,859	7,634	210,660	7,749	213,843	7,951	218,226
Engineering	880	34,430	880	32,913	926	31,702	1,007	34,217	1,015	37,660	1,015	36,838	1,023	37,816
Physical and environmental sciences	683	30,405	683	28,948	713	28,465	749	29,430	761	29,757	754	30,546	755	30,955
Mathematical sciences	320	13,493	320	12,978	339	12,762	364	13,224	376	13,579	382	13,882	383	13,485
Life sciences[1]	1,681	36,189	1,681	36,473	3,422	41,021	4,010	52,319	4,161	59,440	4,222	61,637	4,381	64,339
Psychology	219	14,995	219	15,157	215	14,802	273	18,923	275	19,623	282	21,410	292	21,130
Social sciences[1]	854	35,252	854	34,860	928	35,433	1,098	47,746	1,046	50,601	1,091	49,530	1,117	50,501

[1] In 1975 the departments of speech pathology and audiology were reclassified from the social sciences to the health sciences.

SOURCE: National Science Foundation

Conduct of the 1977 Survey

For the fourth straight year, the National Science Foundation conducted its GSSSP survey in two phases. The first phase, a Quick Response Survey (QRS), requested preliminary enrollment estimates from 1,750 graduate science departments (1,370 at doctorate institutions and another 380 at master's institutions) in mid-October 1977, in order to produce national estimates of graduate enrollment by broad field of science early enough in the academic year to meet the planning needs of science educators, administrators, and other policymakers. The department chairmen selected in the survey were asked to estimate the number of full- and part-time students and indicate how many of the full-time students were in their first year of study. For those departments reflecting large variances between actual fall 1976 data from the full-scale GSSSP survey and estimated 1977 data, followup telephone calls were made to clarify the differences or to make changes where necessary.

The main survey, or phase two, was mailed in early December 1977. For doctorate-granting institutions a computer-produced listing of all known S/E graduate departments, Form 811, was mailed to each Survey Coordinator in the graduate and medical schools in the universe along with the appropriate number of departmental data sheets (Form 812). The Coordinators were requested to update each Form 811 with any newly formed departments or to add those departments inadvertently omitted the previous year; to delete any departments no longer in existence; and to make note of any departmental name changes, merges, or splits. This updated Form 811 thus became the basis for the 1977 universe. A Form 812 was distributed by the Coordinators to each department chairman for completion of data at the department level.

Coordinators at master's institutions received a somewhat different survey instrument. The institutional data sheet (Form 812A) sent to master's institutions was computer-generated and listed all graduate science departments. Survey Coordinators were asked to update this list as previously described and then to complete 11 data items for each department listed.

Upon completion, all forms were returned to a contractor for screening, computer processing, editing, and tabulation. The 1977 data were compared to the 1976 responses; errors in addition were flagged for correction; unusual growth patterns or omissions of self-support students were marked "possible error," and Form 812 or 812A facsimilies were returned to Coordinators for error resolution. Tabulations of the final results, including any changes resulting from the second departmental review, are in Appendix III the Detailed Statistical Tables.

Response Rates

Mailout of the fall 1977 survey was completed on December 5, 1977, to 371 doctorate-granting institutions and 328 master's institutions. All responses were requested by January 31, 1978; however, the survey was not closed out until June 22, 1978. At this time, a near 100-percent institutional response rate was achieved among doctorate-granting institutions—only one institution failed to respond. Among the master's institutions, three were unable to participate in the survey during 1977, nor had they responded in 1976.

Missing data were imputed based on the previous year's response for the 33 departments at the one nonrespondent doctorate institution. In addition, another 11 departments required full imputation, and nine received partial imputation. Only three departments not responding to the 1977 survey were also nonrespondent in 1976 and thus were not included in the tabulations.

At master's institutions, 10 departments were fully imputed based on their previous year's response and another 169 departments required partial imputation to complete the data items requesting a breakout on major sources of support or sex of students.

Imputation and its Effects

Of the 57 departments not responding to the 1977 survey, only three, or .03 percent of the total, were also nonrespondents in 1976 and, thus, were not included in the tabulated data.[1] For the remaining 54 departments, 1977 data were imputed based on their 1976 responses. When 90 percent of the respondent departments had been edited, early tabulations were produced to indicate rates of change in each field of science for selected characteristics of full- and part-time enrollment and the number of postdoctorals. These rates were then applied to each nonrespondent department's actual 1976 response to impute a 1977 response. For those departments requiring partial imputation, data were computed using distribution characteristics experienced in peer departments.

Tables I-4 and I-5 show the relatively insignificant impact of imputation on the survey results.

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[1] This figure does not include 24 departments at the three nonrespondent master's institutions that have never been part of the survey universe.

Table I-4. Imputation for nonresponse at doctorate-granting institutions by area of science and enrollment status: 1977

Area of science	Number of graduate departments		Total in survey			Number imputed			Imputation rate		
	In universe	Im-puted	Full time	Part time	Postdoc-torals	Full time	Part time	Postdoc-torals	Full time	Part time	Postdoc-torals
Total, all areas	7,951	53	218,226	88,484	19,748	802	219	45	.004	.002	.002
Engineering.........	1,023	4	37,816	30,282	1,234	80	150	3	.002	.005	.002
Physical sciences	495	2	21,721	2,981	4,180	13	3	0	.001	.001	.000
Environmental sciences	260	2	9,234	1,920	376	2	0	0	.000	.000	.000
Mathematical sciences	383	3	13,485	6,519	148	5	0	0	.000	.000	.000
Life sciences	4,381	17	64,339	17,938	13,065	91	8	36	.001	.000	.003
Psychology	292	3	21,130	6,667	385	159	13	6	.008	.002	.016
Social sciences	1,117	22	50,501	22,167	360	452	45	0	.009	.002	.000

SOURCE: National Science Foundation

Table I-5. Imputation for nonresponse at master's-granting institutions by area of science and enrollment status: 1977

Area of science	Number of graduate departments		Total in survey		Number imputed		Imputation rate	
	In universe	Imputed	Full time	Part time	Full time	Part time	Full time	Part time
Total, all areas	1,562	179	19,976	36,292	88	163	.004	.004
Engineering.........	167	30	954	4,239	0	56	.000	.013
Physical sciences	192	13	809	1,274	0	0	.000	.000
Environmental sciences	52	5	391	828	10	6	.026	.007
Mathematical sciences	178	16	959	3,052	0	0	.000	.000
Life sciences	374	39	4,905	8,141	23	132	.005	.004
Psychology	177	13	4,753	6,484	0	0	.000	.000
Social sciences	422	63	7,205	12,274	55	69	.008	.006

SOURCE: National Science Foundation

Appendix II

Classification of Institutions in the Survey

Institutions participating in the survey are presented alphabetically within each State for both doctorate- and master's-granting institutions accompanied by the classification code developed by the Carnegie Commission on Higher Education. This system as developed originally in 1971 included each campus of those institutions listed in the U.S. Office of Education's "Advance Report on Opening Fall Enrollment in Higher Education: Institutional Data, 1970." A revised listing was published in 1974 and the codes shown here represent this version. The Commission has recently published another revision, however, entitled "A Classification of Institutions of Higher Education: A Report of the Carnegie Council of Policy Studies in Higher Education (Revised Edition)." The codes published in appendix II will be revised according to this updated version during fiscal year 1979.

Doctorate-Granting Institutions in the 1977 Survey

ALABAMA

1.2	AUBURN UNIVERSITY
1.3	THE UNIVERSITY OF ALABAMA
2.1	THE UNIVERSITY OF ALABAMA IN BIRMINGHAM
2.2	THE UNIVERSITY OF ALABAMA IN HUNTSVILLE

ALASKA

1.4	UNIVERSITY OF ALASKA AT FAIRBANKS

ARIZONA

1.3	ARIZONA STATE UNIVERSITY
2.1	NORTHERN ARIZONA UNIVERSITY
1.1	UNIVERSITY OF ARIZONA

ARKANSAS

1.2	UNIVERSITY OF ARKANSAS
5.2	UNIVERSITY OF ARKANSAS MEDICAL SCIENCES CAMPUS

CALIFORNIA

1.1	CALIFORNIA INSTITUTE OF TECHNOLOGY
5.9	CALIFORNIA SCHOOL OF PROFESSIONAL PSYCHOLOGY AT BERKELEY
5.9	CALIFORNIA SCHOOL OF PROFESSIONAL PSYCHOLOGY AT FRESNO
5.9	CALIFORNIA SCHOOL OF PROFESSIONAL PSYCHOLOGY AT LOS ANGELES
5.9	CALIFORNIA SCHOOL OF PROFESSIONAL PSYCHOLOGY AT SAN DIEGO
5.9	CLAREMONT UNIVERSITY CENTER AND CLAREMONT GRADUATE SCHOOL
5.1	FULLER THEOLOGICAL SEMINARY
2.1	LOMA LINDA UNIVERSITY
5.9	RAND GRADUATE INSTITUTE OF POLICY STUDIES
5.9	ROSEMEAD GRADUATE SCHOOL OF PSYCHOLOGY
2.1	SAN DIEGO STATE UNIVERSITY
1.1	STANFORD UNIVERSITY
1.3	U.S. INTERNATIONAL UNIVERSITY
5.9	U.S. NAVAL POSTGRADUATE SCHOOL
1.1	UNIVERSITY OF CALIFORNIA AT BERKELEY
1.1	UNIVERSITY OF CALIFORNIA AT DAVIS
1.3	UNIVERSITY OF CALIFORNIA AT IRVINE
1.1	UNIVERSITY OF CALIFORNIA AT LOS ANGELES
1.3	UNIVERSITY OF CALIFORNIA AT RIVERSIDE
1.1	UNIVERSITY OF CALIFORNIA AT SAN DIEGO
5.2	UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO
1.3	UNIVERSITY OF CALIFORNIA AT SANTA BARBARA
1.3	UNIVERSITY OF CALIFORNIA AT SANTA CRUZ
2.1	UNIVERSITY OF SANTA CLARA
1.1	UNIVERSITY OF SOUTHERN CALIFORNIA
1.4	UNIVERSITY OF THE PACIFIC
5.9	THE WRIGHT INSTITUTE

COLORADO

5.4	COLORADO SCHOOL OF MINES
1.2	COLORADO STATE UNIVERSITY
1.1	UNIVERSITY OF COLORADO AT BOULDER
1.1	UNIVERSITY OF COLORADO MEDICAL CENTER
1.3	UNIVERSITY OF DENVER
1.3	UNIVERSITY OF NORTHERN COLORADO

CONNECTICUT

1.2	UNIVERSITY OF CONNECTICUT
1.2	UNIVERSITY OF CONNECTICUT HEALTH CENTER
1.4	WESLEYAN UNIVERSITY
1.1	YALE UNIVERSITY

DELAWARE

1.3	UNIVERSITY OF DELAWARE

DISTRICT OF COLUMBIA

1.3	AMERICAN UNIVERSITY
1.2	CATHOLIC UNIVERSITY OF AMERICA
1.2	GEORGE WASHINGTON UNIVERSITY
1.3	GEORGETOWN UNIVERSITY
1.3	HOWARD UNIVERSITY

FLORIDA

5.4	FLORIDA INSTITUTE OF TECHNOLOGY
1.2	FLORIDA STATE UNIVERSITY
5.9	NOVA UNIVERSITY
1.1	UNIVERSITY OF FLORIDA
1.1	UNIVERSITY OF MIAMI
2.1	UNIVERSITY OF SOUTH FLORIDA

GEORGIA

5.9	ATLANTA UNIVERSITY
1.2	EMORY UNIVERSITY
1.2	GEORGIA INSTITUTE OF TECHNOLOGY
1.4	GEORGIA STATE UNIVERSITY
5.2	MEDICAL COLLEGE OF GEORGIA
1.1	UNIVERSITY OF GEORGIA

HAWAII

1.1	UNIVERSITY OF HAWAII AT MANOA

IDAHO

2.1	IDAHO STATE UNIVERSITY
1.3	UNIVERSITY OF IDAHO

ILLINOIS

2.1	DE PAUL UNIVERSITY
1.2	ILLINOIS INSTITUTE OF TECHNOLOGY
1.4	ILLINOIS STATE UNIVERSITY
1.3	LOYOLA UNIVERSITY OF CHICAGO
1.4	NORTHERN ILLINOIS UNIVERSITY
1.1	NORTHWESTERN UNIVERSITY
5.2	RUSH UNIVERSITY
1.3	SOUTHERN ILLINOIS UNIVERSITY AT CARBONDALE
1.1	UNIVERSITY OF CHICAGO
5.2	UNIVERSITY OF HEALTH SCIENCES - CHICAGO MEDICAL SCHOOL
2.1	UNIVERSITY OF ILLINOIS CHICAGO CIRCLE CAMPUS
5.2	UNIVERSITY OF ILLINOIS MEDICAL CENTER AT CHICAGO
1.1	UNIVERSITY OF ILLINOIS URBANA CAMPUS

INDIANA

1.3	BALL STATE UNIVERSITY
2.1	INDIANA STATE UNIVERSITY
1.2	INDIANA UNIVERSITY AT BLOOMINGTON
1.2	INDIANA UNIVERSITY - PURDUE UNIVERSITY AT INDIANAPOLIS
1.1	PURDUE UNIVERSITY
1.3	UNIVERSITY OF NOTRE DAME

IOWA

1.2	IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY
1.1	UNIVERSITY OF IOWA

KANSAS

1.2	KANSAS STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE
1.2	UNIVERSITY OF KANSAS
1.2	UNIVERSITY OF KANSAS MEDICAL CENTER
2.1	WICHITA STATE UNIVERSITY

KENTUCKY

1.1	UNIVERSITY OF KENTUCKY
1.3	UNIVERSITY OF LOUISVILLE

LOUISIANA

1.2	LOUISIANA STATE UNIVERSITY A & M AT BATON ROUGE
1.2	LOUISIANA STATE UNIVERSITY IN SHREVEPORT
1.2	LOUISIANA STATE UNIVERSITY MEDICAL CENTER AT NEW ORLEANS
2.1	LOUISIANA TECH UNIVERSITY
2.1	LOYOLA UNIVERSITY IN NEW ORLEANS
2.1	NORTHEAST LOUISIANA UNIVERSITY
1.2	TULANE UNIVERSITY OF LOUISIANA
2.1	UNIVERSITY OF NEW ORLEANS
2.1	UNIVERSITY OF SOUTHWESTERN LOUISIANA

MAINE

1.3	UNIVERSITY OF MAINE AT ORONO

MARYLAND

1.1	JOHNS HOPKINS UNIVERSITY
1.4	UNIVERSITY OF MARYLAND BALTIMORE COUNTY CAMPUS
5.2	UNIVERSITY OF MARYLAND BALTIMORE PROFESSIONAL SCHOOLS
1.1	UNIVERSITY OF MARYLAND COLLEGE PARK CAMPUS

MASSACHUSETTS

1.3	BOSTON COLLEGE
1.2	BOSTON UNIVERSITY
1.2	BRANDEIS UNIVERSITY
1.4	CLARK UNIVERSITY
1.1	HARVARD UNIVERSITY
5.3	MASSACHUSETTS COLLEGE OF PHARMACY
1.1	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
1.3	NORTHEASTERN UNIVERSITY
1.4	SMITH COLLEGE
1.2	TUFTS UNIVERSITY
5.4	UNIVERSITY OF LOWELL
1.2	UNIVERSITY OF MASSACHUSETTS AT AMHERST
5.2	UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER
5.9	WOODS HOLE OCEANOGRAPHIC INSTITUTE
5.4	WORCESTER POLYTECHNIC INSTITUTE

MICHIGAN

1.1	MICHIGAN STATE UNIVERSITY
2.1	MICHIGAN TECHNOLOGICAL UNIVERSITY
2.1	OAKLAND UNIVERSITY
2.1	UNIVERSITY OF DETROIT
1.1	UNIVERSITY OF MICHIGAN AT ANN ARBOR
1.2	WAYNE STATE UNIVERSITY
1.4	WESTERN MICHIGAN UNIVERSITY

MINNESOTA

1.1	UNIVERSITY OF MINNESOTA DULUTH SCHOOL OF MEDICINE
1.1	UNIVERSITY OF MINNESOTA MAYO GRADUATE SCHOOL OF MEDICINE
1.1	UNIVERSITY OF MINNESOTA OF MINNEAPOLIS SAINT PAUL

MISSISSIPPI

1.2	MISSISSIPPI STATE UNIVERSITY
1.3	UNIVERSITY OF MISSISSIPPI
1.3	UNIVERSITY OF MISSISSIPPI MEDICAL CENTER
1.3	UNIVERSITY OF SOUTHERN MISSISSIPPI

MISSOURI

1.3	ST. LOUIS UNIVERSITY
1.1	UNIVERSITY OF MISSOURI - COLUMBIA
1.3	UNIVERSITY OF MISSOURI - KANSAS CITY
1.3	UNIVERSITY OF MISSOURI - ROLLA
2.1	UNIVERSITY OF MISSOURI - ST. LOUIS
1.1	WASHINGTON UNIVERSITY

MONTANA

1.3	MONTANA STATE UNIVERSITY
1.4	UNIVERSITY OF MONTANA

NEBRASKA

2.1	CREIGHTON UNIVERSITY
1.2	UNIVERSITY OF NEBRASKA - LINCOLN
2.1	UNIVERSITY OF NEBRASKA - OMAHA
5.2	UNIVERSITY OF NEBRASKA MEDICAL CENTER

NEVADA

1.4	UNIVERSITY OF NEVADA AT RENO

NEW HAMPSHIRE

1.3	DARTMOUTH COLLEGE
1.3	UNIVERSITY OF NEW HAMPSHIRE

NEW JERSEY

5.2	COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY
5.4	NEW JERSEY INSTITUTE OF TECHNOLOGY
1.1	PRINCETON UNIVERSITY
1.1	RUTGERS THE STATE UNIVERSITY OF NEW JERSEY
2.1	SETON HALL UNIVERSITY
5.4	STEVENS INSTITUTE OF TECHNOLOGY

NEW MEXICO

5.4	NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY
1.3	NEW MEXICO STATE UNIVERSITY
1.2	UNIVERSITY OF NEW MEXICO

NEW YORK

1.4	ADELPHI UNIVERSITY
5.2	ALBANY MEDICAL COLLEGE
2.1	ALFRED UNIVERSITY
5.9	CITY UNIVERSITY OF NEW YORK GRADUATE SCHOOL AND UNIVERSITY CENTER
5.2	CITY UNIVERSITY OF NEW YORK MOUNT SINAI SCHOOL OF MEDICINE
5.4	CLARKSON COLLEGE OF TECHNOLOGY
1.1	COLUMBIA UNIVERSITY MAIN DIVISION
5.8	COLUMBIA UNIVERSITY TEACHERS COLLEGE
2.2	COOPER UNION
1.1	CORNELL UNIVERSITY ENDOWED COLLEGES
1.1	CORNELL UNIVERSITY MEDICAL CENTER
1.3	FORDHAM UNIVERSITY
2.1	HOFSTRA UNIVERSITY
2.1	LONG ISLAND UNIVERSITY BROOKLYN CENTER
1.4	NEW SCHOOL FOR SOCIAL RESEARCH
5.2	NEW YORK MEDICAL COLLEGE
1.1	NEW YORK UNIVERSITY
1.3	POLYTECHNIC INSTITUTE OF NEW YORK
1.3	RENSSELAER POLYTECHNIC INSTITUTE
5.9	ROCKEFELLER UNIVERSITY
2.1	ST. BONAVENTURE UNIVERSITY
1.3	ST. JOHN'S UNIVERSITY
1.3	STATE UNIVERSITY OF NEW YORK AT ALBANY
2.1	STATE UNIVERSITY OF NEW YORK AT BINGHAMTON
1.2	STATE UNIVERSITY OF NEW YORK AT BUFFALO
1.3	STATE UNIVERSITY OF NEW YORK AT STONY BROOK
5.9	STATE UNIVERSITY OF NEW YORK COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY
5.2	STATE UNIVERSITY OF NEW YORK DOWNSTATE MEDICAL CENTER
1.2	STATE UNIVERSITY OF NEW YORK HEALTH SCIENCE CENTER AT BUFFALO
1.3	STATE UNIVERSITY OF NEW YORK HEALTH SCIENCE CENTER AT STONY BROOK
5.2	STATE UNIVERSITY OF NEW YORK UPSTATE MEDICAL CENTER
1.2	SYRACUSE UNIVERSITY
2.1	UNION COLLEGE
1.1	UNIVERSITY OF ROCHESTER
1.1	YESHIVA UNIVERSITY

NORTH CAROLINA

1.1	DUKE UNIVERSITY
1.1	NORTH CAROLINA STATE UNIVERSITY AT RALEIGH
1.1	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
2.1	UNIVERSITY OF NORTH CAROLINA AT GREENSBORO
2.1	WAKE FOREST UNIVERSITY

NORTH DAKOTA

1.3	NORTH DAKOTA STATE UNIVERSITY
1.3	UNIVERSITY OF NORTH DAKOTA

OHIO

5.9	AIR FORCE INSTITUTE OF TECHNOLOGY
1.4	BOWLING GREEN STATE UNIVERSITY
1.1	CASE WESTERN RESERVE UNIVERSITY
2.1	CLEVELAND STATE UNIVERSITY
1.3	KENT STATE UNIVERSITY
5.2	MEDICAL COLLEGE OF OHIO AT TOLEDO
1.4	MIAMI UNIVERSITY
1.1	OHIO STATE UNIVERSITY
1.3	OHIO UNIVERSITY
5.9	UNION OF EXPERIMENTING COLLEGES AND UNIVERSITIES
1.4	UNIVERSITY OF AKRON
1.2	UNIVERSITY OF CINCINNATI
2.1	UNIVERSITY OF DAYTON
1.4	UNIVERSITY OF TOLEDO

OKLAHOMA

1.2	OKLAHOMA STATE UNIVERSITY
1.2	UNIVERSITY OF OKLAHOMA HEALTH SCIENCE CENTER
1.2	UNIVERSITY OF OKLAHOMA NORMAN CAMPUS
1.4	UNIVERSITY OF TULSA

OREGON

5.9	OREGON GRADUATE CENTER
1.2	OREGON STATE UNIVERSITY
2.1	PORTLAND STATE UNIVERSITY
1.2	UNIVERSITY OF OREGON
5.2	UNIVERSITY OF OREGON HEALTH SCIENCES CENTER

PENNSYLVANIA

1.4	BRYN MAWR COLLEGE
1.2	CARNEGIE-MELLON UNIVERSITY
1.3	DREXEL UNIVERSITY
1.4	DUQUESNE UNIVERSITY
5.2	HAHNEMANN MEDICAL COLLEGE AND HOSPITAL
1.3	LEHIGH UNIVERSITY
5.2	THE MEDICAL COLLEGE OF PENNSYLVANIA
1.1	PENNSYLVANIA STATE UNIVERSITY
5.3	PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE
1.2	TEMPLE UNIVERSITY
5.2	THOMAS JEFFERSON UNIVERSITY
1.1	UNIVERSITY OF PENNSYLVANIA
1.1	UNIVERSITY OF PITTSBURGH
2.1	VILLANOVA UNIVERSITY

RHODE ISLAND

1.2	BROWN UNIVERSITY
2.1	PROVIDENCE COLLEGE
1.3	UNIVERSITY OF RHODE ISLAND

SOUTH CAROLINA

1.3	CLEMSON UNIVERSITY
5.2	MEDICAL UNIVERSITY OF SOUTH CAROLINA
1.3	UNIVERSITY OF SOUTH CAROLINA

SOUTH DAKOTA

5.4	SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY
2.1	SOUTH DAKOTA STATE UNIVERSITY
1.3	UNIVERSITY OF SOUTH DAKOTA

TENNESSEE

2.2	GEORGE PEABODY COLLEGE FOR TEACHERS
5.2	MEHARRY MEDICAL COLLEGE
1.4	MEMPHIS STATE UNIVERSITY
2.1	TENNESSEE TECHNOLOGICAL UNIVERSITY
1.1	UNIVERSITY OF TENNESSEE AT KNOXVILLE
5.2	UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES
1.1	VANDERBILT UNIVERSITY

TEXAS

5.2	BAYLOR COLLEGE OF DENTISTRY
5.2	BAYLOR COLLEGE OF MEDICINE
1.4	BAYLOR UNIVERSITY
1.4	EAST TEXAS STATE UNIVERSITY
2.1	LAMAR UNIVERSITY
1.4	NORTH TEXAS STATE UNIVERSITY
1.2	RICE UNIVERSITY
2.1	SAM HOUSTON STATE UNIVERSITY
1.4	SOUTHERN METHODIST UNIVERSITY
2.1	STEPHEN F. AUSTIN STATE UNIVERSITY
1.2	TEXAS A & M UNIVERSITY
1.4	TEXAS CHRISTIAN UNIVERSITY
1.4	TEXAS TECH UNIVERSITY
1.4	TEXAS WOMAN'S UNIVERSITY
3.2	UNIVERSITY OF DALLAS
1.3	UNIVERSITY OF HOUSTON
2.1	UNIVERSITY OF TEXAS AT ARLINGTON
1.1	UNIVERSITY OF TEXAS AT AUSTIN
5.9	UNIVERSITY OF TEXAS AT DALLAS
2.1	UNIVERSITY OF TEXAS AT EL PASO
5.2	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS
5.3	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON
5.2	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO
5.2	UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON

UTAH

1.3	BRIGHAM YOUNG UNIVERSITY
1.1	UNIVERSITY OF UTAH
1.3	UTAH STATE UNIVERSITY

VERMONT

1.3	UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE

VIRGINIA

2.1	COLLEGE OF WILLIAM AND MARY
5.4	INSTITUTE OF TEXTILE TECHNOLOGY
2.1	OLD DOMINION UNIVERSITY
1.2	UNIVERSITY OF VIRGINIA
1.4	VIRGINIA COMMONWEALTH UNIVERSITY
1.2	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

WASHINGTON

1.1	UNIVERSITY OF WASHINGTON
1.2	WASHINGTON STATE UNIVERSITY

WEST VIRGINIA

1.2	WEST VIRGINIA UNIVERSITY

WISCONSIN

5.4	INSTITUTE OF PAPER CHEMISTRY
1.3	MARQUETTE UNIVERSITY
5.2	MEDICAL COLLEGE OF WISCONSIN
1.1	UNIVERSITY OF WISCONSIN - MADISON
1.4	UNIVERSITY OF WISCONSIN - MILWAUKEE

WYOMING

1.3	UNIVERSITY OF WYOMING

PUERTO RICO

2.1	UNIVERSITY OF PUERTO RICO MAYAGUEZ CAMPUS
5.2	UNIVERSITY OF PUERTO RICO MEDICAL SCIENCES CAMPUS
2.1	UNIVERSITY OF PUERTO RICO RIO PIEDRAS CAMPUS

Master's-Granting Institutions in the 1977 Survey

ALABAMA

2.1	ALABAMA A & M UNIVERSITY
2.2	ALABAMA STATE UNIVERSITY
3.2	AUBURN UNIVERSITY AT MONTGOMERY
2.1	JACKSONVILLE STATE UNIVERSITY
2.1	SAMFORD UNIVERSITY
2.1	TUSKEGEE INSTITUTE
2.1	UNIVERSITY OF MONTEVALLO
2.1	UNIVERSITY OF SOUTH ALABAMA

ALASKA

2.2	UNIVERSITY OF ALASKA ANCHORAGE SENIOR COLLEGE
5.8	UNIVERSITY OF ALASKA JUNEAU SENIOR COLLEGE

ARKANSAS

2.1	ARKANSAS STATE UNIVERSITY
2.1	HENDERSON STATE UNIVERSITY
2.1	UNIVERSITY OF ARKANSAS AT LITTLE ROCK
2.1	UNIVERSITY OF CENTRAL ARKANSAS

CALIFORNIA

3.2	AZUSA PACIFIC COLLEGE
3.2	BIOLA COLLEGE
5.9	CALIFORNIA INSTITUTE OF ASIAN STUDIES
3.2	CALIFORNIA LUTHERAN COLLEGE
2.1	CALIFORNIA POLYTECHNIC STATE UNIVERSITY AT SAN LUIS OBISPO
3.2	CALIFORNIA STATE COLLEGE AT BAKERSFIELD
3.2	CALIFORNIA STATE COLLEGE AT SAN BERNARDINO
2.2	CALIFORNIA STATE COLLEGE OF SONOMA
2.2	CALIFORNIA STATE COLLEGE OF STANISLAUS
2.1	CALIFORNIA STATE POLYTECHNIC UNIVERSITY AT POMONA
2.1	CALIFORNIA STATE UNIVERSITY AT CHICO
3.2	CALIFORNIA STATE UNIVERSITY AT DOMINGUEZ HILLS
2.1	CALIFORNIA STATE UNIVERSITY AT FRESNO
2.1	CALIFORNIA STATE UNIVERSITY AT FULLERTON
2.1	CALIFORNIA STATE UNIVERSITY AT HAYWARD
2.1	CALIFORNIA STATE UNIVERSITY AT LONG BEACH
2.1	CALIFORNIA STATE UNIVERSITY AT LOS ANGELES
2.1	CALIFORNIA STATE UNIVERSITY AT NORTHRIDGE
2.1	CALIFORNIA STATE UNIVERSITY AT SACRAMENTO
3.2	CHAPMAN COLLEGE
2.1	GOLDEN GATE UNIVERSITY
3.1	HARVEY MUDD COLLEGE
3.2	HOLY NAMES COLLEGE
2.1	HUMBOLDT STATE UNIVERSITY
3.2	IMMACULATE HEART COLLEGE
3.2	JOHN F. KENNEDY UNIVERSITY
3.2	LA VERNE COLLEGE
3.2	LINCOLN UNIVERSITY
3.2	LONE MOUNTAIN COLLEGE
2.1	LOYOLA MARYMOUNT UNIVERSITY
5.9	MONTEREY INSTITUTE FOR FOREIGN STUDIES
3.2	NATIONAL UNIVERSITY
5.4	NORTHROP UNIVERSITY
3.1	OCCIDENTAL COLLEGE
3.2	PACIFIC STATES UNIVERSITY
3.2	PACIFIC UNION COLLEGE
3.2	PEPPERDINE UNIVERSITY
2.1	SAN FRANCISCO STATE UNIVERSITY
2.1	SAN JOSE STATE UNIVERSITY
3.1	UNIVERSITY OF REDLANDS
2.1	UNIVERSITY OF SAN DIEGO
2.1	UNIVERSITY OF SAN FRANCISCO
5.4	WEST COAST UNIVERSITY
3.2	WHITTIER COLLEGE

COLORADO

2.1	UNIVERSITY OF COLORADO AT COLORADO SPRINGS
2.1	UNIVERSITY OF COLORADO AT DENVER
2.1	WESTERN STATE COLLEGE OF COLORADO

CONNECTICUT

2.1	CENTRAL CONNECTICUT STATE COLLEGE
3.1	CONNECTICUT COLLEGE
5.4	THE HARTFORD GRADUATE CENTER
2.1	QUINNIPIAC COLLEGE
2.2	SOUTHERN CONNECTICUT STATE COLLEGE
3.2	ST. JOSEPH COLLEGE
3.1	TRINITY COLLEGE
2.1	UNIVERSITY OF BRIDGEPORT
2.1	UNIVERSITY OF HARTFORD
2.1	UNIVERSITY OF NEW HAVEN
2.1	WESTERN CONNECTICUT STATE COLLEGE

DISTRICT OF COLUMBIA

3.2	GALLAUDET COLLEGE
2.1	UNIVERSITY OF THE DISTRICT OF COLUMBIA

FLORIDA

3.2	BARRY COLLEGE
3.2	BISCAYNE COLLEGE
2.1	FLORIDA A & M UNIVERSITY
2.1	FLORIDA ATLANTIC UNIVERSITY
2.1	FLORIDA INTERNATIONAL UNIVERSITY
2.1	FLORIDA TECHNOLOGICAL UNIVERSITY
1.4	HEED UNIVERSITY
2.1	ROLLINS COLLEGE
2.1	STETSON UNIVERSITY
2.2	UNIVERSITY OF NORTH FLORIDA
2.1	UNIVERSITY OF WEST FLORIDA

GEORGIA

2.1	AUGUSTA COLLEGE
2.2	GEORGIA COLLEGE
2.1	GEORGIA SOUTHERN COLLEGE
2.1	SAVANNAH STATE COLLEGE
2.1	VALDOSTA STATE COLLEGE
2.1	WEST GEORGIA COLLEGE

ILLINOIS

3.1	AUGUSTANA COLLEGE
2.1	BRADLEY UNIVERSITY
2.1	CHICAGO STATE UNIVERSITY
2.1	EASTERN ILLINOIS UNIVERSITY
3.2	GEORGE WILLIAMS COLLEGE
2.2	GOVERNORS STATE UNIVERSITY
5.4	MIDWEST COLLEGE OF ENGINEERING
2.2	NORTHEASTERN ILLINOIS UNIVERSITY
2.1	ROOSEVELT UNIVERSITY
3.2	SANGAMON STATE UNIVERSITY
2.1	SOUTHERN ILLINOIS UNIVERSITY AT EDWARDSVILLE
2.1	WESTERN ILLINOIS UNIVERSITY

INDIANA

2.1	BUTLER UNIVERSITY
2.1	DE PAUW UNIVERSITY
2.1	INDIANA CENTRAL UNIVERSITY
2.1	INDIANA UNIVERSITY AT SOUTH BEND
2.1	INDIANA UNIVERSITY-PURDUE UNIVERSITY AT FORT WAYNE
2.1	PURDUE UNIVERSITY CALUMET CAMPUS
5.4	ROSE-HULMAN INSTITUTE OF TECHNOLOGY
3.2	ST. FRANCIS COLLEGE
2.1	UNIVERSITY OF EVANSVILLE
2.1	VALPARAISO UNIVERSITY

IOWA

2.1	DRAKE UNIVERSITY
2.1	UNIVERSITY OF NORTHERN IOWA

KANSAS

2.1	EMPORIA STATE UNIVERSITY - KANSAS
2.1	FORT HAYS STATE UNIVERSITY
2.1	PITTSBURG STATE UNIVERSITY

KENTUCKY

2.1	EASTERN KENTUCKY UNIVERSITY
2.1	MOREHEAD STATE UNIVERSITY
2.1	MURRAY STATE UNIVERSITY
2.1	WESTERN KENTUCKY UNIVERSITY

LOUISIANA

2.1	GRAMBLING STATE UNIVERSITY
2.1	MCNEESE STATE UNIVERSITY
2.1	NICHOLLS STATE UNIVERSITY
2.1	NORTHWESTERN STATE UNIVERSITY OF LOUISIANA
2.1	SOUTHEASTERN LOUISIANA UNIVERSITY
2.1	SOUTHERN UNIVERSITY A & M COLLEGE

MARYLAND

2.2	COPPIN STATE COLLEGE
2.1	LOYOLA COLLEGE
2.1	MORGAN STATE UNIVERSITY
2.2	TOWSON STATE UNIVERSITY
2.1	UNIVERSITY OF BALTIMORE
3.1	WASHINGTON COLLEGE

MASSACHUSETTS

2.1	AMERICAN INTERNATIONAL COLLEGE
3.2	ANNA MARIA COLLEGE
3.2	ASSUMPTION COLLEGE
2.2	BOSTON STATE COLLEGE
2.2	BRIDGEWATER STATE COLLEGE
3.1	COLLEGE OF THE HOLY CROSS
2.2	EMERSON COLLEGE
2.1	FRAMINGHAM STATE COLLEGE
3.1	MOUNT HOLYOKE COLLEGE
2.1	SALEM STATE COLLEGE
2.1	SOUTHEASTERN MASSACHUSETTS UNIVERSITY
2.1	SUFFOLK UNIVERSITY
3.2	UNIVERSITY OF MASSACHUSETTS BOSTON CAMPUS
3.1	WILLIAMS COLLEGE
2.2	WORCESTER STATE COLLEGE

MICHIGAN

2.1	ANDREWS UNIVERSITY
2.1	CENTRAL MICHIGAN UNIVERSITY
2.1	EASTERN MICHIGAN UNIVERSITY
2.1	NORTHERN MICHIGAN UNIVERSITY
3.2	UNIVERSITY OF MICHIGAN AT DEARBORN

MINNESOTA

2.1	BEMIDJI STATE UNIVERSITY
2.1	MANKATO STATE UNIVERSITY
2.1	ST. CLOUD STATE UNIVERSITY
3.2	ST. MARY'S COLLEGE
2.2	UNIVERSITY OF MINNESOTA AT DULUTH

MISSISSIPPI

2.1	DELTA STATE UNIVERSITY
2.1	JACKSON STATE UNIVERSITY
2.1	MISSISSIPPI COLLEGE
2.1	MISSISSIPPI UNIVERSITY FOR WOMEN

MISSOURI

2.1	CENTRAL MISSOURI STATE UNIVERSITY
2.1	NORTHEAST MISSOURI STATE UNIVERSITY
2.1	NORTHWEST MISSOURI STATE UNIVERSITY
2.1	SOUTHWEST MISSOURI STATE UNIVERSITY

MONTANA

5.4	MONTANA COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY

NEBRASKA

2.1	KEARNEY STATE COLLEGE

NEVADA

2.1	UNIVERSITY OF NEVADA AT LAS VEGAS

NEW HAMPSHIRE

3.2	RIVIER COLLEGE

NEW JERSEY

1.4	DREW UNIVERSITY
2.1	FAIRLEIGH DICKINSON UNIVERSITY MADISON CAMPUS
2.1	FAIRLEIGH DICKINSON UNIVERSITY RUTHERFORD CAMPUS
2.1	FAIRLEIGH DICKINSON UNIVERSITY TEANECK CAMPUS
2.2	KEAN COLLEGE OF NEW JERSEY
2.1	MONMOUTH COLLEGE
2.2	MONTCLAIR STATE COLLEGE
2.1	RIDER COLLEGE
2.1	TRENTON STATE COLLEGE
2.1	WILLIAM PATTERSON COLLEGE

NEW MEXICO

2.1	EASTERN NEW MEXICO UNIVERSITY
2.1	NEW MEXICO HIGHLANDS UNIVERSITY

NEW YORK

2.1	A & M SCHWARTZ COLLEGE OF PHARMACY AND HEALTH SCIENCES
2.1	C. W. POST CENTER OF LONG ISLAND UNIVERSITY
5.5	CITY UNIVERSITY OF NEW YORK BERNARD BARUCH COLLEGE
2.1	CITY UNIVERSITY OF NEW YORK BROOKLYN COLLEGE
2.1	CITY UNIVERSITY OF NEW YORK CITY COLLEGE
2.2	CITY UNIVERSITY OF NEW YORK COLLEGE OF STATEN ISLAND ST. GEORGE
2.1	CITY UNIVERSITY OF NEW YORK HUNTER COLLEGE
5.9	CITY UNIVERSITY OF NEW YORK JOHN JAY COLLEGE OF CRIMINAL JUSTICE
2.1	CITY UNIVERSITY OF NEW YORK LEHMAN COLLEGE
2.1	CITY UNIVERSITY OF NEW YORK QUEENS COLLEGE
3.1	COLLEGE OF NEW ROCHELLE
3.2	COLLEGE OF ST. ROSE
2.1	IONA COLLEGE
2.1	ITHACA COLLEGE
2.1	MANHATTAN COLLEGE
3.2	MARIST COLLEGE
5.4	NEW YORK INSTITUTE OF TECHNOLOGY
2.1	NIAGARA UNIVERSITY
2.1	PACE UNIVERSITY NEW YORK CAMPUS
2.1	PACE UNIVERSITY WESTCHESTER CAMPUS
2.1	PRATT INSTITUTE
2.1	ROCHESTER INSTITUTE OF TECHNOLOGY
2.1	RUSSELL SAGE COLLEGE MAIN CAMPUS
3.1	SARAH LAWRENCE COLLEGE
2.1	STATE UNIVERSITY OF NEW YORK COLLEGE AT BROCKPORT
2.2	STATE UNIVERSITY OF NEW YORK COLLEGE AT BUFFALO
2.1	STATE UNIVERSITY OF NEW YORK COLLEGE AT CORTLAND
2.2	STATE UNIVERSITY OF NEW YORK COLLEGE AT FREDONIA
2.1	STATE UNIVERSITY OF NEW YORK COLLEGE AT GENESEO
2.2	STATE UNIVERSITY OF NEW YORK COLLEGE AT NEW PALTZ
2.2	STATE UNIVERSITY OF NEW YORK COLLEGE AT ONEONTA
2.1	STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO
2.1	STATE UNIVERSITY OF NEW YORK COLLEGE AT PLATTSBURGH
2.2	STATE UNIVERSITY OF NEW YORK COLLEGE AT POTSDAM
5.3	STATE UNIVERSITY OF NEW YORK COLLEGE OF OPTOMETRY
3.1	VASSAR COLLEGE
2.1	WAGNER COLLEGE

NORTH CAROLINA

2.1	APPALACHIAN STATE UNIVERSITY
2.1	EAST CAROLINA UNIVERSITY
2.1	NORTH CAROLINA A & T STATE UNIVERSITY
2.1	NORTH CAROLINA CENTRAL UNIVERSITY
2.1	UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE
2.1	WESTERN CAROLINA UNIVERSITY

OHIO

2.1	JOHN CARROLL UNIVERSITY
3.1	OBERLIN COLLEGE
2.1	WRIGHT STATE UNIVERSITY
2.1	XAVIER UNIVERSITY
2.1	YOUNGSTOWN STATE UNIVERSITY

OKLAHOMA

2.2	PHILLIPS UNIVERSITY
2.1	SOUTHWESTERN OKLAHOMA STATE UNIVERSITY

OREGON

2.2	OREGON COLLEGE OF EDUCATION
3.2	PACIFIC UNIVERSITY
2.1	SOUTHERN OREGON STATE COLLEGE
1.4	UNIVERSITY OF PORTLAND

PENNSYLVANIA

2.1	BLOOMSBURG STATE COLLEGE
2.1	BUCKNELL UNIVERSITY
2.2	CALIFORNIA STATE COLLEGE
2.1	CHEYNEY STATE COLLEGE
2.1	CLARION STATE COLLEGE
2.2	EAST STROUDSBURG STATE COLLEGE
2.2	EDINBORO STATE COLLEGE
2.1	GANNON COLLEGE
2.1	INDIANA UNIVERSITY OF PENNSYLVANIA
2.2	KUTZTOWN STATE COLLEGE
2.2	MARYWOOD COLLEGE
2.2	MILLERSVILLE STATE COLLEGE
5.2	PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE
2.1	SHIPPENSBURG STATE COLLEGE
2.2	SLIPPERY ROCK STATE COLLEGE
2.1	ST. JOSEPH'S COLLEGE
3.1	SWARTHMORE COLLEGE
2.1	UNIVERSITY OF SCRANTON
2.1	WEST CHESTER STATE COLLEGE
2.1	WIDENER COLLEGE
3.2	WILKES COLLEGE

RHODE ISLAND

2.1	RHODE ISLAND COLLEGE

SOUTH CAROLINA

2.1	CITADEL MILITARY COLLEGE OF SOUTH CAROLINA
3.2	COLLEGE OF CHARLESTON
3.1	FURMAN UNIVERSITY
2.1	WINTHROP COLLEGE

TENNESSEE

2.1	AUSTIN PEAY STATE UNIVERSITY
2.1	EAST TENNESSEE STATE UNIVERSITY
3.2	FISK UNIVERSITY
2.1	MIDDLE TENNESSEE STATE UNIVERSITY
2.1	TENNESSEE STATE UNIVERSITY
2.1	UNIVERSITY OF TENNESSEE AT CHATTANOOGA
2.1	UNIVERSITY OF TENNESSEE AT NASHVILLE

TEXAS

2.1	ABILENE CHRISTIAN UNIVERSITY
3.2	AMERICAN TECHNOLOGICAL UNIVERSITY
2.1	ANGELO STATE UNIVERSITY
3.2	CORPUS CHRISTI STATE UNIVERSITY
3.2	INCARNATE WORD COLLEGE
2.1	MIDWESTERN STATE UNIVERSITY
2.1	PAN AMERICAN UNIVERSITY
2.1	PRAIRIE VIEW A & M UNIVERSITY
2.1	SOUTHWEST TEXAS STATE UNIVERSITY
2.1	ST. MARY'S UNIVERSITY OF SAN ANTONIO
2.1	SUL ROSS STATE UNIVERSITY
2.1	TARLETON STATE UNIVERSITY
2.1	TEXAS A & I UNIVERSITY *
3.2	TEXAS EASTERN UNIVERSITY
2.1	TEXAS SOUTHERN UNIVERSITY
2.1	TRINITY UNIVERSITY
3.1	UNIVERSITY OF HOUSTON AT CLEAR LAKE CITY
3.1	UNIVERSITY OF HOUSTON VICTORIA CAMPUS
3.2	UNIVERSITY OF TEXAS AT SAN ANTONIO
2.2	UNIVERSITY OF TEXAS OF THE PERMIAN BASIN
2.1	WEST TEXAS STATE UNIVERSITY

VERMONT

3.1	GODDARD COLLEGE
3.1	MIDDLEBURY COLLEGE
3.2	NORWICH UNIVERSITY
2.2	ST. MICHAEL'S COLLEGE

VIRGINIA

2.1	GEORGE MASON UNIVERSITY
2.1	HAMPTON INSTITUTE
3.1	HOLLINS COLLEGE
2.2	JAMES MADISON UNIVERSITY
3.2	LYNCHBURG COLLEGE
2.2	RADFORD COLLEGE
2.1	UNIVERSITY OF RICHMOND
2.1	VIRGINIA STATE COLLEGE

WASHINGTON

2.2	CENTRAL WASHINGTON UNIVERSITY
2.1	EASTERN WASHINGTON UNIVERSITY
2.1	GONZAGA UNIVERSITY
2.1	PACIFIC LUTHERAN UNIVERSITY
2.1	SEATTLE UNIVERSITY
2.1	UNIVERSITY OF PUGET SOUND
2.2	WALLA WALLA COLLEGE
2.2	WESTERN WASHINGTON UNIVERSITY
2.2	WHITWORTH COLLEGE

WEST VIRGINIA

2.1	MARSHALL UNIVERSITY
5.9	WEST VIRGINIA COLLEGE OF GRADUATE STUDIES

WISCONSIN

5.4	MILWAUKEE SCHOOL OF ENGINEERING
2.1	UNIVERSITY OF WISCONSIN - EAU CLAIRE
2.1	UNIVERSITY OF WISCONSIN - GREEN BAY
2.1	UNIVERSITY OF WISCONSIN - LA CROSSE
2.1	UNIVERSITY OF WISCONSIN - OSHKOSH
2.1	UNIVERSITY OF WISCONSIN - PLATTEVILLE
2.1	UNIVERSITY OF WISCONSIN - RIVER FALLS
2.1	UNIVERSITY OF WISCONSIN - STEVENS POINT
2.1	UNIVERSITY OF WISCONSIN - STOUT
2.1	UNIVERSITY OF WISCONSIN - SUPERIOR

GUAM

2.1	UNIVERSITY OF GUAM

PUERTO RICO

2.1	CATHOLIC UNIVERSITY OF PUERTO RICO
2.1	INTER AMERICAN UNIVERSITY PUERTO RICO HATO REY
3.2	INTER AMERICAN UNIVERSITY PUERTO RICO SAN GERMAN *
2.2	WORLD UNIVERSITY *

* NONRESPONDENT INSTITUTIONS IN 1977

Appendix III

Statistical Tables

Page
A-1 through A-20: All Graduate Departments 16
B-1 through B-55: All Graduate Departments in Doctorate-Granting Institutions 36
C-1 through C-23: All Graduate Departments in Master's-Granting Institutions 113
D-1 through D-32: All Doctorate Departments 140
E-1 through E-20: All Master's Departments 174

Tables in series "A" represent detailed statistical data compiled from all responses to the fall 1977 Survey of Graduate Science Student Support and Postdoctorals (GSSSP) at both doctorate- and master's-granting institutions.

Series "B" tables present data from the 370 doctorate-granting institutions only.

All responses from the 326 master's institutions are displayed in series "C".

In series "D", data from the doctorate-level departments within Ph.D.-granting institutions are separately presented.

Finally, series "E" tables aggregate data from both master's-level departments at Ph.D.-granting institutions and all graduate departments from the master's institutions.

All Graduate Departments

Page
A-1. Departmental population: 1975-77 16

Graduate Students: 1977

A-2. By field, enrollment status, and highest degree granted: 1977 17
A-3. By field, enrollment status, and sex: 1977 18
A-4. In public institutions, by field, enrollment status, and sex: 1977 19
A-5. In private institutions, by field, enrollment status, and sex: 1977 20
A-6. By division, State, enrollment status, and source of major support: 1977 21

Full time: 1977

A-7. By field and source of major support: 1977 22
A-8. In public institutions, by field and source of major support: 1977 23
A-9. In private institutions, by field and source of major support: 1977 24
A-10. By field, institutional control, and citizenship: 1977 25

Full time: 1976 and 1977*

A-11. By field and source of major support: 1976 and 1977* 26
A-12. In public institutions, by field and source of major support: 1976 and 1977* 27
A-13. In private institutions, by field and source of major support: 1976 and 1977* 28
A-14. By field and sex: 1976 and 1977* 29
A-15. In public institutions, by field and sex: 1976 and 1977* 30
A-16. In private institutions, by field and sex: 1976 and 1977* 31

Graduate Students: 1975-77*

A-17. By division, State, and enrollment status: 1975-77* 32
A-18. By field and enrollment status: 1975-77* 33
A-19. In public institutions, by field and enrollment status: 1975-77* 34
A-20. In private institutions, by field and enrollment status: 1975-77* 35

---

* Includes percent change

Doctorate-Granting Institutions

B-1. Departmental population: 1975-77 36

Graduate Students: 1977

B-2. By field, enrollment status, and level of department: 1977 37
B-3. By field, enrollment status, level of study, institutional control, and sex: 1977 38
B-4. By field, institutional control, enrollment status, and level of study: 1977 39
B-5. By division, State, enrollment status, and source of major support: 1977 40

Full time

B-6. By field, level of study, citizenship, and sex: 1977 41
B-7. In public institutions, by field, level of study, citizenship, and sex: 1977 42
B-8. In private institutions, by field, level of study, citizenship, and sex: 1977 43
B-9. By field, sex, and level of study: 1977 44
B-10. By sex, source of major support, and area of science: 1977 45
B-11. By level of study and source and type of major support: 1977 46
B-12. In public institutions, by level of study and source and type of major support: 1977 47
B-13. In private institutions, by level of study and source and type of major support: 1977 48
B-14. By field and type of major support: 1977 49
B-15. In public institutions, by field and type of major support: 1977 50
B-16. In private institutions, by field and type of major support: 1977 51
B-17. First year, by field and type of major support: 1977 52
B-18. Beyond first year, by field and type of major support: 1977 53
B-19. Supported by Federal sources, by field and Federal agency: 1977 54
B-20. Supported by non-Federal sources, by field: 1977 55

Part time

B-21. By field, institutional control, and level of study: 1977 56
B-22. By field, institutional control, and sex: 1977 57

Postdoctorals: 1977

B-23. By field, source of support, and citizenship: 1977 58
B-24. In public institutions, by field, source of support, and citizenship: 1977 59
B-25. In private institutions, by field, source of support, and citizenship: 1977 60

Graduate Students: 1975-77*

B-26. By field and enrollment status: 1975-77* 61
B-27. In public institutions, by field and enrollment status: 1975-77* 62
B-28. In private institutions, by field and enrollment status: 1975-77* 63
B-29. By field and level of study: 1975-77* 64
B-30. By division, State, and enrollment status: 1975-77* 65

Full time

B-31. First-year, by field and enrollment status: 1975-77* 66
B-32. Beyond first year, by field and enrollment status: 1975-77* 67
B-33. Male, by field and level of study: 1975-77* 68
B-34. Female, by field and level of study: 1975-77* 69
B-35. By field and citizenship: 1975-77* 70
B-36. By field and type of major support: 1975-77* 71
B-37. In public institutions, by field and type of major support: 1975-77* 73
B-38. In private institutions, by field and type of major support: 1975-77* 75
B-39. By source and type of major support and institutional control: 1975-77* 77
B-40. First year, by source and type of major support and institutional control: 1975-77* 79
B-41. Beyond first year, by source and type of major support and institutional control: 1975-77* 81
B-42. In engineering, by source and type of major support and institutional control: 1975-77* 83
B-43. In physical sciences, by source and type of major support and institutional control: 1975-77* 85
B-44. In environmental sciences, by source and type of major support and institutional control: 1975-77* 87
B-45. In mathematical sciences, by source and type of major support and institutional control: 1975-77* 89
B-46. In life sciences, by source and type of major support and institutional control: 1975-77* 91
B-47. In psychology, by source and type of major support and institutional control: 1975-77* 93
B-48. In social sciences, by source and type of major support and institutional control: 1975-77* 95
B-49. By institutional control, source of major support and sex: 1975-77* 97
B-50. By level of study, source of major support, and sex: 1975-77* 98

Postdoctorals: 1975-77*

B-51. By field and institutional control: 1975-77* 99
B-52. By field and source of support: 1975-77* 100
B-53. In public institutions, by field and source of support: 1975-77* 101
B-54. In private institutions, by field and source of support: 1975-77* 102

Institutional Ranking: 1977

B-55. Ranked on the basis of total graduate science enrollment: 1977 103

Master's-Granting Institutions

C-1. Departmental population: 1977 113

Graduate Students: 1977

C-2. By field, enrollment status, and sex: 1977 114
C-3. In public institutions, by field, enrollment status, and sex: 1977 115
C-4. In private institutions, by field, enrollment status, and sex: 1977 116
C-5. By division, State, enrollment status, and source of major support: 1977 117

Full time

C-6. By field and source of major support: 1977 118
C-7. In public institutions, by field and source of major support: 1977 119
C-8. In private institutions, by field and source of major support: 1977 120
C-9. By field, institutional control, and citizenship: 1977 121

Full time: 1976 and 1977*

C-10. By field and source of major support: 1976 and 1977* 122
C-11. In public institutions, by field and source of major support: 1976 and 1977* 123
C-12. In private institutions, by field and source, of major support:1976 and 1977* 124
C-13. By field and sex: 1976 and 1977* 125
C-14. In public institutions, by field and sex: 1976 and 1977* 126
C-15. In private institutions, by field and sex: 1976 and 1977* 127

Part time: 1976 and 1977*

C-16. By field and sex: 1976 and 1977* 128
C-17. In public institutions, by field and sex: 1976 and 1977* 129
C-18. In private institutions, by field and sex: 1976 and 1977* 130

Graduate Students: 1975-77*

C-19. By division, State and enrollment status: 1975-77* 131
C-20. By field and enrollment status: 1975-77* 132
C-21. In public institutions, by field and enrollment status: 1975-77* 133
C-22. In private institutions, by field and enrollment status: 1975-77* 134

Institutional Ranking: 1977

C-23. Ranked on the basis of total graduate science enrollment: 1977 135

All Doctorate Departments

D-1. Departmental population: 1975-77 140

Graduate Students: 1977

D-2. By field, enrollment status, level of study, institutional control, and sex: 1977 141
D-3. By field, institutional control, enrollment status, and level of study: 1977 142
D-4. By division, State, enrollment status, and source of major support: 1977 143

Full time

D-5. By field, level of study, citizenship, and sex: 1977 144
D-6. In public institutions, by field, level of study, citizenship, and sex: 1977 145
D-7. In private institutions, by field, level of study, citizenship, and sex: 1977 146
D-8. By field, sex, and level of study: 1977 147
D-9. By sex, source of major support, and area of science: 1977 148
D-10. By level of study and source and type of major support: 1977 149
D-11. By field and type of major support: 1977 150
D-12. Supported by Federal sources, by field and Federal agency: 1977 151
D-13. Supported by non-Federal sources, by field: 1977 152

Part time

D-14. By field, institutional control, and level of study: 1977 153
D-15. By field, institutional control, and sex: 1977 154

Postdoctorals: 1977

D-16. By field and source of support: 1977 155

Graduate Students: 1975-77*

D-17. By field and enrollment status: 1975-77* 156
D-18. By field and level of study: 1975-77* 157
D-19. By division, State, and enrollment status: 1975-77* 158
D-20. First year, by field and enrollment status: 1975-77* 159
D-21. Beyond first year, by field and enrollment status: 1975-77* 160
D-22. Male, by field and level of study: 1975-77* 161
D-23. Female, by field and level of study: 1975-77* 162

Full time

D-24. By field and citizenship: 1975-77* 163
D-25. By field and type of major support: 1975-77* 164
D-26. By source and type of major support and institutional control: 1975-77* 166
D-27. By institutional control, source of major support, and sex: 1975-77* 168
D-28. By level of study, source of major support, and sex: 1975-77* 169

Postdoctorals: 1975-77*

D-29. By field and institutional control: 1975-77* 170
D-30. By field and source of support: 1975-77* 171
D-31. In public institutions, by field and source of support: 1975-77* 172
D-32. In private institutions, by field and source of support: 1975-77* 173

All Master's Departments

E-1. Departmental population: 1975-77 174

Graduate Students: 1977

E-2. By field, enrollment status, and institutions' highest degree granted: 1977 175
E-3. By field, enrollment status, and sex: 1977 176
E-4. In public institutions, by field, enrollment status, and sex: 1977 177
E-5. In private institutions, by field, enrollment status, and sex: 1977 178
E-6. By division, State, enrollment status, and source of major support: 1977 179

Full time

E-7. By field and source of major support: 1977 180
E-8. In public institutions, by field and source of major support: 1977 181
E-9. In private institutions, by field and source of major support: 1977 182
E-10. By field, institutional control, and citizenship: 1977 183

Full time: 1976 and 1977*

E-11. By field and source of major support: 1976 and 1977* 184
E-12. In public institutions, by field and source of major support: 1976 and 1977* 185
E-13. In private institutions, by field and source of major support: 1976 and 1977* 186
E-14. By field and sex: 1976 and 1977* 187
E-15. In public institutions, by fieid and sex: 1976 and 1977* 188
E-16. In private institutions, by field and sex: 1976 and 1977* 189

Graduate Students: 1975-77*

E-17. By division, State, and enrollment status: 1975-77* 190
E-18. By field and enrollment status: 1975-77* 191
E-19. In public institutions, by field and enrollment status: 1975-77* 192
E-20. In private institutions, by field and enrollment status: 1975-77* 193

TABLE A-1. SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT AND POSTDOCTORALS: DEPARTMENTAL POPULATION: 1975-77

FIELD OF SCIENCE	TOTAL			HIGHEST DEGREE GRANTED						LEVEL OF DEPARTMENT					
				DOCTORATE			MASTER'S			DOCTORATE			MASTER'S		
	1975	1976	1977	1975	1976	1977	1975	1976	1977	1975	1976	1977	1975	1976	1977
TOTAL, ALL FIELDS	8,959	9,113	9,513	7,634	7,747	7,951	1,325	1,366	1,562	6,213	6,272	6,374	2,746	2,841	3,139
ENGINEERING	1,154	1,155	1,190	1,015	1,015	1,023	139	140	167	779	778	783	375	377	407
AERONAUTICAL	45	44	43	42	41	41	3	3	2	39	38	37	6	6	6
AGRICULTURAL	51	51	49	50	50	48	1	1	1	30	31	29	21	20	20
BIOMEDICAL	37	37	39	35	35	37	2	2	2	33	33	33	4	4	6
CHEMICAL	125	124	127	118	117	119	7	7	8	101	100	102	24	24	25
CIVIL	161	161	168	144	143	146	17	18	22	109	108	111	52	53	57
ELECTRICAL	168	167	173	143	142	142	25	25	31	118	118	118	50	49	55
ENGINEERING SCIENCE	67	68	70	59	60	59	8	8	11	47	46	45	20	22	25
INDUSTRIAL	123	125	128	104	106	105	19	19	23	68	70	69	55	55	59
MECHANICAL	148	145	152	130	128	131	18	17	21	101	100	103	47	45	49
METALLURGICAL/MATERIALS	73	71	72	68	66	67	5	5	5	61	59	60	12	12	12
MINING	23	23	23	18	18	19	5	5	4	10	9	9	13	14	14
NUCLEAR	35	34	33	33	32	31	2	2	2	27	26	26	8	8	7
PETROLEUM	18	18	17	17	17	16	1	1	1	13	13	12	5	5	5
ENGINEERING, NEC.	80	87	96	54	60	62	26	27	34	22	27	29	58	60	67
PHYSICAL SCIENCES	689	678	687	510	498	495	179	180	192	409	403	402	280	275	285
ASTRONOMY	34	30	30	34	30	30	0	0	0	30	27	27	4	3	3
CHEMISTRY	352	348	350	239	236	234	113	112	116	196	194	194	156	154	156
PHYSICS	292	291	294	234	232	230	58	59	64	182	182	180	110	109	114
PHYSICAL SCIENCES, NEC.	11	9	13	3	0	1	8	9	12	1	0	1	10	9	12
ENVIRONMENTAL SCIENCES	294	303	312	251	256	260	43	47	52	190	195	195	104	108	117
ATMOSPHERIC SCIENCES	26	29	31	26	29	30	0	0	1	24	27	27	2	2	4
GEOSCIENCES	206	208	207	178	179	177	28	29	30	127	128	127	79	80	80
OCEANOGRAPHY	37	40	41	35	36	37	2	4	4	31	32	32	6	8	9
ENVIRONMENTAL SCIENCES, NEC.	25	26	33	12	12	16	13	14	17	8	8	9	17	18	24
MATHEMATICAL SCIENCES	531	541	561	376	382	383	155	159	178	267	271	269	264	270	292
COMPUTER SCIENCE	107	113	121	86	90	91	21	23	30	58	58	57	49	55	64
MATHEMATICS AND APPLIED MATHEMATICS	373	375	385	242	242	240	131	133	145	166	169	167	207	206	218
STATISTICS	51	53	55	48	50	52	3	3	3	43	44	45	8	9	10
LIFE SCIENCES	4,469	4,540	4,755	4,161	4,222	4,381	308	318	374	3,679	3,708	3,792	790	832	963
AGRICULTURAL SCIENCES	332	334	339	311	312	315	21	22	24	228	229	229	104	105	110
BIOLOGICAL SCIENCES	1,707	1,703	1,771	1,500	1,495	1,533	207	208	238	1,359	1,351	1,381	348	352	390
ANATOMY	100	100	103	100	100	103	0	0	0	100	100	103	0	0	0
BIOCHEMISTRY	160	159	165	154	153	157	6	6	8	150	150	153	10	9	12
BIOLOGY	349	350	368	187	187	189	162	163	179	133	132	135	216	218	233
BIOMETRY/EPIDEMIOLOGY	35	35	41	35	35	41	0	0	0	31	31	37	4	4	4
BIOPHYSICS	40	36	36	39	36	36	1	0	0	38	35	35	2	1	1
BOTANY	94	95	92	88	89	87	6	6	5	83	83	80	11	12	12
CELL BIOLOGY	28	28	30	28	28	30	0	0	0	28	28	30	0	0	0
ECOLOGY	15	19	20	15	19	20	0	0	0	15	18	19	0	1	1
ENTOMOLOGY/PARASITOLOGY	47	47	46	47	47	46	0	0	0	42	42	41	5	5	5
GENETICS	52	53	55	51	52	54	1	1	1	50	51	53	2	2	2
MICROBIOLOGY	183	183	190	175	175	180	8	8	10	165	165	169	18	18	21
NUTRITION	80	81	87	76	76	79	4	5	8	56	54	55	24	27	32
PATHOLOGY	141	141	146	141	141	146	0	0	0	129	129	133	12	12	13
PHARMACOLOGY	132	132	143	131	131	140	1	1	3	126	126	133	6	6	10
PHYSIOLOGY	132	130	135	130	128	133	2	2	2	129	127	130	3	3	5
ZOOLOGY	66	64	59	62	60	55	4	4	4	57	55	51	9	9	8
BIOSCIENCES, NEC.	53	50	55	41	38	37	12	12	18	27	25	24	26	25	31
HEALTH SCIENCES	2,430	2,503	2,645	2,350	2,415	2,533	80	88	112	2,092	2,128	2,182	338	375	463
ANESTHESIOLOGY	96	94	99	96	94	98	0	0	1	90	88	92	6	6	7
CARDIOLOGY	96	97	97	96	97	97	0	0	0	94	95	95	2	2	2
CLINICAL PHARMACOLOGY	22	22	24	22	22	24	0	0	0	22	22	23	0	0	1
DENTISTRY	73	96	129	70	93	126	3	3	3	29	38	48	44	58	81
ENDOCRINOLOGY	97	100	100	97	100	100	0	0	0	96	99	99	1	1	1
GASTROENTEROLOGY	85	86	86	85	86	86	0	0	0	83	84	84	2	2	2
HEMATOLOGY	91	90	89	91	90	89	0	0	0	90	89	87	1	1	2
NEUROLOGY	112	115	116	112	115	116	0	0	0	110	113	114	2	2	2
NURSING	54	70	93	44	56	76	10	14	17	8	11	15	46	59	78
OBSTETRICS/GYNECOLOGY	108	107	106	107	106	105	1	1	1	104	103	102	4	4	4
OPHTHALMOLOGY	99	100	100	96	97	97	3	3	3	91	92	92	8	8	8
OTORHINOLARYNGOLOGY	93	94	94	92	93	93	1	1	1	89	90	90	4	4	4
PEDIATRICS	108	109	109	107	108	108	1	1	1	102	103	103	6	6	6
PHARMACEUTICAL SCIENCES	75	72	82	72	70	77	3	2	5	60	58	59	15	14	23
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	152	154	162	150	152	158	2	2	4	129	130	133	23	24	29
PSYCHIATRY	106	106	107	106	106	107	0	0	0	98	98	99	8	8	8
PULMONARY DISEASE	86	86	85	86	86	85	0	0	0	84	84	83	2	2	2
RADIOLOGY	124	122	125	123	121	124	1	1	1	115	113	116	9	9	9
SPEECH PATH/AUDIOLOGY	103	100	115	73	69	74	30	31	41	37	35	36	66	65	79
SURGERY	236	241	244	235	240	243	1	1	1	225	230	233	11	11	11
VETERINARY SCIENCES	55	55	59	54	54	58	1	1	1	40	40	43	15	15	16
CLINICAL MEDICINE, NEC.	277	293	317	276	291	315	1	2	2	261	274	297	16	19	20
HEALTH RELATED, NEC.	82	94	107	60	69	77	22	25	30	35	39	39	47	55	68
PSYCHOLOGY	430	441	469	275	283	292	155	158	177	221	230	237	209	211	232
SOCIAL SCIENCES	1,392	1,455	1,539	1,046	1,091	1,117	346	364	422	668	687	696	724	768	843
AGRICULTURAL ECONOMICS	50	50	50	48	48	48	2	2	2	34	34	34	16	16	16
ANTHROPOLOGY	115	116	119	102	103	103	13	13	16	73	75	75	42	41	44
ECONOMICS (EXCEPT AGRICULTURAL)	232	232	234	177	177	176	55	55	58	121	122	121	111	110	113
GEOGRAPHY	114	116	121	84	85	86	30	31	35	48	48	48	66	68	73
HISTORY AND PHILOSOPHY OF SCIENCE	27	26	26	27	26	26	0	0	0	26	25	25	1	1	1
LINGUISTICS	96	94	92	84	82	80	12	12	12	58	57	56	38	37	36
POLITICAL SCIENCE	341	376	413	224	248	262	117	128	151	133	144	151	208	232	262
SOCIOLOGY	273	288	303	210	221	226	63	67	77	123	127	129	150	161	174
SOCIOLOGY/ANTHROPOLOGY	31	31	33	28	28	29	3	3	4	17	16	16	14	15	17
SOCIAL SCIENCES, NEC.	113	126	148	62	73	81	51	53	67	35	39	41	78	87	107

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE A-2. GRADUATE STUDENTS IN ALL DEPARTMENTS, BY FIELD OF SCIENCE, ENROLLMENT STATUS, AND INSTITUTIONS' HIGHEST DEGREE GRANTED: 1977

FIELD OF SCIENCE	TOTAL			FULL TIME			PART TIME		
	TOTAL	DOCTORATE-GRANTING	MASTER'S-GRANTING	TOTAL	DOCTORATE-GRANTING	MASTER'S-GRANTING	TOTAL	DOCTORATE-GRANTING	MASTER'S-GRANTING
TOTAL, ALL FIELDS	362,978	306,710	56,268	238,202	218,226	19,976	124,776	88,484	36,292
ENGINEERING	73,301	68,108	5,193	38,770	37,816	954	34,531	30,292	4,239
AERONAUTICAL	1,713	1,691	22	1,343	1,334	9	370	357	13
AGRICULTURAL	880	872	8	761	753	8	119	119	0
BIOMEDICAL	910	880	30	723	723	0	187	157	30
CHEMICAL	5,348	5,210	138	3,967	3,929	38	1,381	1,281	100
CIVIL	11,553	10,757	796	6,492	6,339	153	5,061	4,418	643
ELECTRICAL	17,357	16,156	1,201	8,447	8,232	215	8,910	7,924	986
ENGINEERING SCIENCE	2,482	2,297	185	1,569	1,538	31	913	759	154
INDUSTRIAL	12,988	12,177	811	4,224	4,083	141	8,764	8,094	670
MECHANICAL	8,184	7,568	616	4,490	4,400	90	3,694	3,168	526
METALLURGICAL/MATERIALS	2,608	2,543	65	1,965	1,959	6	643	584	59
MINING	582	571	11	461	450	11	121	121	0
NUCLEAR	1,515	1,496	19	1,170	1,165	5	345	331	14
PETROLEUM	483	483	0	402	402	0	81	81	0
ENGINEERING, NEC.	6,698	5,407	1,291	2,756	2,509	247	3,942	2,898	1,044
PHYSICAL SCIENCES	26,785	24,702	2,083	22,530	21,721	809	4,255	2,981	1,274
ASTRONOMY	543	543	0	500	500	0	43	43	0
CHEMISTRY	15,893	14,411	1,482	13,027	12,435	592	2,866	1,976	890
PHYSICS	10,185	9,746	439	8,954	8,784	170	1,231	962	269
PHYSICAL SCIENCES, NEC.	164	2	162	49	2	47	115	0	115
ENVIRONMENTAL SCIENCES	12,373	11,154	1,219	9,625	9,234	391	2,748	1,920	828
ATMOSPHERIC SCIENCES	1,011	1,001	10	893	889	4	118	112	6
GEOSCIENCES	7,876	7,382	494	6,389	6,201	188	1,487	1,181	306
OCEANOGRAPHY	2,271	2,094	177	1,789	1,742	47	482	352	130
ENVIRONMENTAL SCIENCES, NEC.	1,215	677	538	554	402	152	661	275	386
MATHEMATICAL SCIENCES	24,015	20,004	4,011	14,444	13,485	959	9,571	6,519	3,052
COMPUTER SCIENCE	8,774	7,043	1,731	4,532	4,152	380	4,242	2,891	1,351
MATHEMATICS AND APPLIED MATHEMATICS	13,169	11,084	2,085	8,378	7,815	563	4,791	3,269	1,522
STATISTICS	2,072	1,877	195	1,534	1,518	16	538	359	179
LIFE SCIENCES	95,323	82,277	13,046	69,244	64,339	4,905	26,079	17,938	8,141
AGRICULTURAL SCIENCES	13,447	12,511	936	11,110	10,620	490	2,337	1,891	446
BIOLOGICAL SCIENCES	49,279	42,563	6,716	38,247	35,771	2,476	11,032	6,792	4,240
ANATOMY	1,145	1,145	0	1,043	1,043	0	102	102	0
BIOCHEMISTRY	3,889	3,756	133	3,568	3,535	33	321	221	100
BIOLOGY	17,142	11,592	5,550	10,902	8,861	2,041	6,240	2,731	3,509
BIOMETRY/EPIDEMIOLOGY	835	835	0	677	677	0	158	158	0
BIOPHYSICS	646	646	0	623	623	0	23	23	0
BOTANY	3,069	3,043	26	2,753	2,733	20	316	310	6
CELL BIOLOGY	619	619	0	584	584	0	35	35	0
ECOLOGY	988	988	0	860	860	0	128	128	0
ENTOMOLOGY/PARASITOLOGY	1,581	1,581	0	1,368	1,368	0	213	213	0
GENETICS	1,016	964	52	943	905	38	73	59	14
MICROBIOLOGY	4,429	4,099	330	3,722	3,579	143	707	520	187
NUTRITION	3,806	3,606	200	2,850	2,761	89	956	845	111
PATHOLOGY	1,163	1,163	0	948	948	0	215	215	0
PHARMACOLOGY	1,764	1,751	13	1,641	1,630	11	123	121	2
PHYSIOLOGY	2,210	2,143	67	2,001	1,986	15	209	157	52
ZOOLOGY	3,122	3,076	46	2,668	2,626	42	454	450	4
BIOSCIENCES, NEC.	1,855	1,556	299	1,096	1,052	44	759	504	255
HEALTH SCIENCES	32,597	27,203	5,394	19,[illegible]7	17,948	1,939	12,710	9,255	3,455
ANESTHESIOLOGY	5	4	1	3	2	1	2	2	0
CARDIOLOGY	5	5	0	3	3	0	2	2	0
CLINICAL PHARMACOLOGY	16	16	0	16	16	0	0	0	0
DENTISTRY	1,457	1,431	26	1,220	1,194	26	237	237	0
ENDOCRINOLOGY	42	42	0	35	35	0	7	7	0
GASTROENTEROLOGY	8	8	0	8	8	0	0	0	0
HEMATOLOGY	18	18	0	7	7	0	11	11	0
NEUROLOGY	345	345	0	336	336	0	9	9	0
NURSING	10,744	9,774	970	5,395	5,050	345	5,349	4,724	625
OBSTETRICS/GYNECOLOGY	33	31	2	31	29	2	2	2	0
OPHTHALMOLOGY	19	10	9	11	7	4	8	3	5
OTORHINOLARYNGOLOGY	57	55	2	56	54	2	1	1	0
PEDIATRICS	110	107	3	101	98	3	9	9	0
PHARMACEUTICAL SCIENCES	2,456	2,334	122	1,571	1,551	20	885	783	102
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	4,271	4,139	132	3,056	3,012	44	1,215	1,127	88
PSYCHIATRY	227	227	0	173	173	0	54	54	0
PULMONARY DISEASE	17	17	0	17	17	0	0	0	0
RADIOLOGY	263	262	1	221	220	1	42	42	0
SPEECH PATHOLOGY/AUDIOLOGY	6,238	4,622	1,616	4,169	3,405	764	2,069	1,217	852
SURGERY	104	97	7	86	79	7	18	18	0
VETERINARY SCIENCES	834	813	21	646	630	16	188	183	5
CLINICAL MEDICINE, NEC.	969	860	109	755	717	38	214	143	71
HEALTH RELATED, NEC.	4,359	1,986	2,373	1,971	1,305	666	2,388	681	1,707
PSYCHOLOGY	39,034	27,797	11,237	25,883	21,130	4,753	13,151	6,667	6,484
SOCIAL SCIENCES	92,147	72,668	19,479	57,706	50,501	7,205	34,441	22,167	12,274
AGRICULTURAL ECONOMICS	2,346	2,325	21	2,061	2,043	18	285	282	3
ANTHROPOLOGY	6,718	6,178	540	5,126	4,958	168	1,592	1,220	372
ECONOMICS (EXCEPT AGRICULTURAL)	11,689	10,678	1,011	8,203	7,841	362	3,486	2,837	649
GEOGRAPHY	3,469	2,815	654	2,275	2,061	214	1,194	754	440
HISTORY AND PHILOSOPHY OF SCIENCE	300	300	0	257	257	0	43	43	0
LINGUISTICS	4,910	4,411	499	3,437	3,323	114	1,473	1,088	385
POLITICAL SCIENCE	30,309	20,886	9,423	14,435	12,030	2,405	15,874	8,856	7,018
SOCIOLOGY	13,647	11,935	1,712	9,320	8,551	769	4,327	3,384	943
SOCIOLOGY/ANTHROPOLOGY	1,379	1,333	46	804	784	20	575	549	26
SOCIAL SCIENCES, NEC.	17,380	11,807	5,573	11,788	8,653	3,135	5,592	3,154	2,438

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE A-3. GRADUATE STUDENTS IN ALL DEPARTMENTS, BY FIELD OF SCIENCE, ENROLLMENT STATUS, AND SEX: 1977

FIELD OF SCIENCE	TOTAL			FULL TIME			PART TIME		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	362,978	251,639	111,339	238,202	166,286	71,916	124,776	85,353	39,423
ENGINEERING	73,301	68,578	4,723	38,770	36,102	2,668	34,531	32,476	2,055
AERONAUTICAL	1,713	1,669	44	1,343	1,312	31	370	357	13
AGRICULTURAL	880	831	49	761	717	44	119	114	5
BIOMEDICAL	910	815	95	723	646	77	187	169	18
CHEMICAL	5,348	4,866	482	3,967	3,606	361	1,381	1,260	121
CIVIL	11,553	10,849	704	6,492	6,054	438	5,061	4,795	266
ELECTRICAL	17,357	16,644	713	8,447	8,071	376	8,910	8,573	337
ENGINEERING SCIENCE	2,482	2,353	129	1,569	1,484	85	913	869	44
INDUSTRIAL	12,988	11,751	1,237	4,224	3,710	514	8,764	8,041	723
MECHANICAL	8,184	7,943	241	4,490	4,373	117	3,694	3,570	124
METALLURGICAL/MATERIALS	2,608	2,419	189	1,965	1,820	145	643	599	44
MINING	582	553	29	461	433	28	121	120	1
NUCLEAR	1,515	1,458	57	1,170	1,124	46	345	334	11
PETROLEUM	483	466	17	402	389	13	81	77	4
ENGINEERING, NEC.	6,698	5,961	737	2,756	2,363	393	3,942	3,598	344
PHYSICAL SCIENCES	26,785	22,740	4,045	22,530	19,328	3,202	4,255	3,412	843
ASTRONOMY	543	477	66	500	440	60	43	37	6
CHEMISTRY	15,893	12,774	3,119	13,027	10,614	2,413	2,866	2,160	706
PHYSICS	10,185	9,358	827	8,954	8,239	715	1,231	1,119	112
PHYSICAL SCIENCES, NEC.	164	131	33	49	35	14	115	96	19
ENVIRONMENTAL SCIENCES	12,373	10,327	2,046	9,625	8,039	1,586	2,748	2,288	460
ATMOSPHERIC SCIENCES	1,011	928	83	893	816	77	118	112	6
GEOSCIENCES	7,876	6,559	1,317	6,389	5,334	1,055	1,487	1,225	262
OCEANOGRAPHY	2,271	1,894	377	1,789	1,478	311	482	416	66
ENVIRONMENTAL SCIENCES, NEC.	1,215	946	269	554	411	143	661	535	126
MATHEMATICAL SCIENCES	24,015	18,293	5,722	14,444	11,409	3,035	9,571	6,884	2,687
COMPUTER SCIENCE	8,774	7,181	1,593	4,532	3,784	748	4,242	3,397	845
MATHEMATICS AND APPLIED MATHEMATICS	13,169	9,551	3,618	8,378	6,451	1,927	4,791	3,100	1,691
STATISTICS	2,072	1,561	511	1,534	1,174	360	538	387	151
LIFE SCIENCES	95,323	53,634	41,689	69,244	42,092	27,152	26,079	11,542	14,537
AGRICULTURAL SCIENCES	13,447	10,988	2,459	11,110	9,025	2,085	2,337	1,963	374
BIOLOGICAL SCIENCES	49,279	32,007	17,272	38,247	25,528	12,719	11,032	6,479	4,553
ANATOMY	1,145	762	383	1,043	697	346	102	65	37
BIOCHEMISTRY	3,889	2,759	1,130	3,568	2,559	1,009	321	200	121
BIOLOGY	17,142	11,194	5,948	10,902	7,293	3,609	6,240	3,901	2,339
BIOMETRY/EPIDEMIOLOGY	835	506	329	677	423	254	158	83	75
BIOPHYSICS	646	516	130	623	495	128	23	21	2
BOTANY	3,069	2,135	934	2,753	1,901	852	316	234	82
CELL BIOLOGY	619	412	207	584	388	196	35	24	11
ECOLOGY	988	718	270	860	633	227	128	85	43
ENTOMOLOGY/PARASITOLOGY	1,581	1,310	271	1,368	1,134	234	213	176	37
GENETICS	1,016	546	470	943	522	421	73	24	49
MICROBIOLOGY	4,429	2,785	1,644	3,722	2,422	1,300	707	363	344
NUTRITION	3,806	1,437	2,369	2,850	1,213	1,637	956	224	732
PATHOLOGY	1,163	722	441	948	630	318	215	92	123
PHARMACOLOGY	1,764	1,298	466	1,641	1,203	438	123	95	28
PHYSIOLOGY	2,210	1,651	559	2,001	1,506	495	209	145	64
ZOOLOGY	3,122	2,194	928	2,668	1,876	792	454	318	136
BIOSCIENCES, NEC.	1,855	1,062	793	1,096	633	463	759	429	330
HEALTH SCIENCES	32,597	10,639	21,958	19,887	7,539	12,348	12,710	3,100	9,610
ANESTHESIOLOGY	5	4	1	3	2	1	2	2	0
CARDIOLOGY	5	4	1	3	2	1	2	2	0
CLINICAL PHARMACOLOGY	16	12	4	16	12	4	0	0	0
DENTISTRY	1,457	1,217	240	1,220	1,038	182	237	179	58
ENDOCRINOLOGY	42	29	13	35	23	12	7	6	1
GASTROENTEROLOGY	8	8	0	8	8	0	0	0	0
HEMATOLOGY	18	7	11	7	3	4	11	4	7
NEUROLOGY	345	246	95	336	238	98	9	8	1
NURSING	10,744	378	10,366	5,395	252	5,143	5,349	126	5,223
OBSTETRICS/GYNECOLOGY	33	22	11	31	21	10	2	1	1
OPHTHALMOLOGY	19	14	5	11	7	4	8	7	1
OTORHINOLARYNGOLOGY	57	36	21	56	35	21	1	1	0
PEDIATRICS	110	38	72	101	34	67	9	4	5
PHARMACEUTICAL SCIENCES	2,456	1,732	724	1,571	1,202	369	885	530	355
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	4,271	2,194	2,077	3,056	1,618	1,438	1,215	576	639
PSYCHIATRY	227	149	78	173	110	63	54	39	15
PULMONARY DISEASE	17	17	0	17	17	0	0	0	0
RADIOLOGY	263	212	51	221	181	40	42	31	11
SPEECH PATHOLOGY/AUDIOLOGY	6,238	996	5,242	4,169	760	3,409	2,069	236	1,833
SURGERY	104	89	15	86	71	15	18	18	0
VETERINARY SCIENCES	834	620	214	646	486	160	188	134	54
CLINICAL MEDICINE, NEC.	969	494	475	755	408	347	214	86	128
HEALTH RELATED, NEC.	4,359	2,121	2,238	1,971	1,011	960	2,388	1,110	1,278
PSYCHOLOGY	39,034	20,270	18,764	25,883	13,857	12,026	13,151	6,413	6,738
SOCIAL SCIENCES	92,147	57,797	34,350	57,706	35,459	22,247	34,441	22,338	12,103
AGRICULTURAL ECONOMICS	2,346	2,035	311	2,061	1,795	266	285	240	45
ANTHROPOLOGY	6,718	3,361	3,357	5,126	2,570	2,556	1,592	791	801
ECONOMICS (EXCEPT AGRICULTURAL)	11,689	9,499	2,190	8,203	6,712	1,491	3,486	2,787	699
GEOGRAPHY	3,469	2,552	917	2,275	1,661	614	1,194	891	303
HISTORY AND PHILOSOPHY OF SCIENCE	300	215	85	257	183	74	43	32	11
LINGUISTICS	4,910	2,124	2,786	3,437	1,534	1,903	1,473	590	883
POLITICAL SCIENCE	30,309	21,821	8,488	14,435	10,500	3,935	15,874	11,321	4,553
SOCIOLOGY	13,647	7,779	5,868	9,320	5,434	3,886	4,327	2,345	1,982
SOCIOLOGY/ANTHROPOLOGY	1,379	854	525	804	468	336	575	386	189
SOCIAL SCIENCES, NEC.	17,380	7,557	9,823	11,788	4,602	7,186	5,592	2,955	2,637

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE A-4. GRADUATE STUDENTS IN ALL DEPARTMENTS IN PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE, ENROLLMENT STATUS, AND SEX: 1977

FIELD OF SCIENCE	TOTAL			FULL TIME			PART TIME		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	246,490	169,841	76,649	171,560	120,543	51,017	74,930	49,298	25,632
ENGINEERING	43,323	40,510	2,813	26,647	24,850	1,797	16,676	15,660	1,016
AERONAUTICAL	1,086	1,068	18	829	815	14	257	253	4
AGRICULTURAL	844	796	48	725	682	43	119	114	5
BIOMEDICAL	463	408	55	400	354	46	63	54	9
CHEMICAL	3,552	3,210	342	2,710	2,454	256	842	756	86
CIVIL	8,030	7,545	485	4,805	4,500	305	3,225	3,045	180
ELECTRICAL	9,695	9,287	408	5,632	5,402	230	4,063	3,885	178
ENGINEERING SCIENCE	1,886	1,807	79	1,166	1,120	46	720	687	33
INDUSTRIAL	4,855	4,272	583	2,413	2,128	285	2,442	2,144	298
MECHANICAL	5,130	4,984	146	3,077	2,999	78	2,053	1,985	68
METALLURGICAL/MATERIALS	1,556	1,438	118	1,228	1,130	98	328	308	20
MINING	496	476	20	380	361	19	116	115	1
NUCLEAR	1,109	1,064	45	911	871	40	198	193	5
PETROLEUM	332	320	12	284	275	9	48	45	3
ENGINEERING, NEC.	4,289	3,835	454	2,087	1,759	328	2,202	2,076	126
PHYSICAL SCIENCES	18,521	15,778	2,743	15,826	13,618	2,208	2,695	2,160	535
ASTRONOMY	361	316	45	322	283	39	39	33	6
CHEMISTRY	11,267	9,155	2,112	9,514	7,837	1,677	1,753	1,318	435
PHYSICS	6,748	6,194	554	5,946	5,467	479	802	727	75
PHYSICAL SCIENCES, NEC.	145	113	32	44	31	13	101	82	19
ENVIRONMENTAL SCIENCES	10,119	8,434	1,685	7,811	6,508	1,303	2,308	1,926	382
ATMOSPHERIC SCIENCES	948	870	78	833	761	72	115	109	6
GEOSCIENCES	6,319	5,278	1,041	5,051	4,227	824	1,268	1,051	217
OCEANOGRAPHY	1,750	1,434	316	1,435	1,163	272	315	271	44
ENVIRONMENTAL SCIENCES, NEC.	1,102	852	250	492	357	135	610	495	115
MATHEMATICAL SCIENCES	17,260	13,015	4,245	11,124	8,731	2,393	6,136	4,284	1,852
COMPUTER SCIENCE	5,931	4,847	1,084	3,588	2,968	620	2,343	1,879	464
MATHEMATICS AND APPLIED MATHEMATICS	9,730	6,964	2,766	6,247	4,772	1,475	3,483	2,192	1,291
STATISTICS	1,599	1,204	395	1,289	991	298	310	213	97
LIFE SCIENCES	73,069	42,367	30,702	54,727	34,024	20,703	18,342	8,343	9,999
AGRICULTURAL SCIENCES	12,969	10,613	2,356	10,732	8,724	2,008	2,237	1,889	348
BIOLOGICAL SCIENCES	36,689	24,210	12,479	28,915	19,543	9,372	7,774	4,667	3,107
ANATOMY	759	517	242	695	477	218	64	40	24
BIOCHEMISTRY	2,727	1,967	760	2,519	1,834	685	208	133	75
BIOLOGY	11,979	8,010	3,969	7,731	5,257	2,474	4,248	2,753	1,495
BIOMETRY/EPIDEMIOLOGY	569	366	203	479	316	163	90	50	40
BIOPHYSICS	336	272	64	315	253	62	21	19	2
BOTANY	2,858	2,002	856	2,571	1,789	782	287	213	74
CELL BIOLOGY	407	262	145	381	244	137	26	18	8
ECOLOGY	890	662	228	776	581	195	114	81	33
ENTOMOLOGY/PARASITOLOGY	1,521	1,266	255	1,311	1,091	220	210	175	35
GENETICS	730	428	302	693	411	282	37	17	20
MICROBIOLOGY	3,332	2,124	1,208	2,816	1,849	967	516	275	241
NUTRITION	3,058	1,124	1,934	2,232	914	1,318	826	210	616
PATHOLOGY	750	461	289	610	439	201	140	52	88
PHARMACOLOGY	1,155	875	280	1,077	814	263	78	61	17
PHYSIOLOGY	1,574	1,169	405	1,447	1,087	360	127	82	45
ZOOLOGY	2,936	2,068	868	2,502	1,765	737	434	303	131
BIOSCIENCES, NEC.	1,108	637	471	760	452	308	348	185	163
HEALTH SCIENCES	23,411	7,544	15,867	15,080	5,757	9,323	8,331	1,787	6,544
ANESTHESIOLOGY	2	1	1	2	1	1	0	0	0
CARDIOLOGY	2	2	0	2	2	0	0	0	0
CLINICAL PHARMACOLOGY	5	4	1	5	4	1	0	0	0
DENTISTRY	871	734	137	752	641	111	119	93	26
ENDOCRINOLOGY	37	25	12	35	23	12	2	2	0
GASTROENTEROLOGY	8	8	0	8	8	0	0	0	0
HEMATOLOGY	1	0	1	1	0	1	0	0	0
NEUROLOGY	187	128	59	185	127	58	2	1	1
NURSING	7,522	292	7,230	3,905	199	3,706	3,617	93	3,524
OBSTETRICS/GYNECOLOGY	17	8	9	17	8	9	0	0	0
OPHTHALMOLOGY	13	9	4	7	3	4	6	6	0
OTORHINOLARYNGOLOGY	31	26	5	31	26	5	0	0	0
PEDIATRICS	69	27	42	67	27	40	2	0	2
PHARMACEUTICAL SCIENCES	1,599	1,226	373	1,383	1,062	321	216	164	52
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	3,063	1,687	1,376	2,306	1,285	1,021	757	402	355
PSYCHIATRY	146	102	44	105	69	36	41	33	8
PULMONARY DISEASE	5	5	0	5	5	0	0	0	0
RADIOLOGY	250	201	49	209	170	39	41	31	10
SPEECH PATHOLOGY/AUDIOLOGY	5,384	891	4,493	3,598	684	2,914	1,786	207	1,579
SURGERY	68	57	11	61	50	11	7	7	0
VETERINARY SCIENCES	754	556	198	571	425	146	183	131	52
CLINICAL MEDICINE, NEC.	654	361	293	471	282	189	183	79	104
HEALTH RELATED, NEC.	2,723	1,194	1,529	1,354	656	698	1,369	538	831
PSYCHOLOGY	24,237	12,552	11,685	16,705	9,052	7,653	7,532	3,500	4,032
SOCIAL SCIENCES	59,961	37,185	22,776	38,720	23,760	14,960	21,241	13,425	7,816
AGRICULTURAL ECONOMICS	2,267	1,969	298	1,982	1,729	253	285	240	45
ANTHROPOLOGY	5,003	2,579	2,424	3,777	1,954	1,823	1,226	625	601
ECONOMICS (EXCEPT AGRICULTURAL)	7,127	5,861	1,266	5,124	4,221	903	2,003	1,640	363
GEOGRAPHY	3,193	2,372	821	2,048	1,507	541	1,145	865	280
HISTORY AND PHILOSOPHY OF SCIENCE	163	116	47	135	99	36	28	17	11
LINGUISTICS	3,624	1,477	2,147	2,602	1,113	1,489	1,022	364	658
POLITICAL SCIENCE	16,426	11,759	4,667	8,369	6,077	2,292	8,057	5,682	2,375
SOCIOLOGY	10,049	5,826	4,223	6,724	3,996	2,728	3,325	1,830	1,495
SOCIOLOGY/ANTHROPOLOGY	765	460	305	524	302	222	241	158	83
SOCIAL SCIENCES, NEC.	11,344	4,766	6,578	7,435	2,762	4,673	3,909	2,004	1,905

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE A-5. GRADUATE STUDENTS IN ALL DEPARTMENTS IN PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE, ENROLLMENT STATUS, AND SEX: 1977

FIELD OF SCIENCE	TOTAL			FULL TIME			PART TIME		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	116,488	81,798	34,690	66,642	45,743	20,899	49,846	36,055	13,791
ENGINEERING	29,978	28,068	1,910	12,123	11,252	871	17,855	16,816	1,039
AERONAUTICAL	627	601	26	514	497	17	113	104	9
AGRICULTURAL	36	35	1	36	35	1	0	0	0
BIOMEDICAL	447	407	40	323	292	31	124	115	9
CHEMICAL	1,796	1,656	140	1,257	1,152	105	539	504	35
CIVIL	3,523	3,304	219	1,687	1,554	133	1,836	1,750	86
ELECTRICAL	7,662	7,357	305	2,815	2,669	146	4,847	4,688	159
ENGINEERING SCIENCE	596	546	50	403	364	39	193	182	11
INDUSTRIAL	8,133	7,479	654	1,811	1,582	229	6,322	5,897	425
MECHANICAL	3,054	2,959	95	1,413	1,374	39	1,641	1,585	56
METALLURGICAL/MATERIALS	1,052	981	71	737	690	47	315	291	24
MINING	86	77	9	81	72	9	5	5	0
NUCLEAR	406	394	12	259	253	6	147	141	6
PETROLEUM	151	146	5	118	114	4	33	32	1
ENGINEERING, NEC.	2,409	2,126	283	669	604	65	1,740	1,522	218
PHYSICAL SCIENCES	8,264	6,962	1,302	6,704	5,710	994	1,560	1,252	308
ASTRONOMY	182	161	21	178	157	21	4	4	0
CHEMISTRY	4,626	3,619	1,007	3,513	2,777	736	1,113	842	271
PHYSICS	3,437	3,164	273	3,008	2,772	236	429	392	37
PHYSICAL SCIENCES, NEC.	19	18	1	5	4	1	14	14	0
ENVIRONMENTAL SCIENCES	2,254	1,893	361	1,814	1,531	283	440	362	78
ATMOSPHERIC SCIENCES	63	58	5	60	55	5	3	3	0
GEOSCIENCES	1,557	1,281	276	1,338	1,107	231	219	174	45
OCEANOGRAPHY	521	460	61	354	315	39	167	145	22
ENVIRONMENTAL SCIENCES, NEC.	113	94	19	62	54	8	51	40	11
MATHEMATICAL SCIENCES	6,755	5,278	1,477	3,320	2,678	642	3,435	2,600	835
COMPUTER SCIENCE	2,843	2,334	509	944	816	128	1,899	1,518	381
MATHEMATICS AND APPLIED MATHEMATICS	3,439	2,587	852	2,131	1,679	452	1,308	908	400
STATISTICS	473	357	116	245	183	62	228	174	54
LIFE SCIENCES	22,254	11,267	10,987	14,517	8,068	6,449	7,737	3,199	4,538
AGRICULTURAL SCIENCES	478	375	103	378	301	77	100	74	26
BIOLOGICAL SCIENCES	12,590	7,797	4,793	9,332	5,985	3,347	3,258	1,812	1,446
ANATOMY	386	245	141	348	220	128	38	25	13
BIOCHEMISTRY	1,162	792	370	1,049	725	324	113	67	46
BIOLOGY	5,163	3,184	1,979	3,171	2,036	1,135	1,992	1,148	844
BIOMETRY/EPIDEMIOLOGY	266	140	126	198	107	91	68	33	35
BIOPHYSICS	310	244	66	308	242	66	2	2	0
BOTANY	211	133	78	182	112	70	29	21	8
CELL BIOLOGY	212	150	62	203	144	59	9	6	3
ECOLOGY	98	56	42	84	52	32	14	4	10
ENTOMOLOGY/PARASITOLOGY	60	44	16	57	43	14	3	1	2
GENETICS	286	118	168	250	111	139	36	7	29
MICROBIOLOGY	1,097	661	436	906	573	333	191	88	103
NUTRITION	748	313	435	618	299	319	130	14	116
PATHOLOGY	413	261	152	338	221	117	75	40	35
PHARMACOLOGY	609	423	186	564	389	175	45	34	11
PHYSIOLOGY	636	482	154	554	419	135	82	63	19
ZOOLOGY	186	126	60	166	111	55	20	15	5
BIOSCIENCES, NEC.	747	425	322	336	181	155	411	244	167
HEALTH SCIENCES	9,186	3,095	6,091	4,807	1,782	3,025	4,379	1,313	3,066
ANESTHESIOLOGY	3	3	0	1	1	0	2	2	0
CARDIOLOGY	3	2	1	1	0	1	2	2	0
CLINICAL PHARMACOLOGY	11	8	3	11	8	3	0	0	0
DENTISTRY	586	483	103	468	397	71	118	86	32
ENDOCRINOLOGY	5	4	1	0	0	0	5	4	1
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	17	7	10	6	3	3	11	4	7
NEUROLOGY	158	118	40	151	111	40	7	7	0
NURSING	3,222	86	3,136	1,490	53	1,437	1,732	33	1,699
OBSTETRICS/GYNECOLOGY	16	14	2	14	13	1	2	1	1
OPHTHALMOLOGY	6	5	1	4	4	0	2	1	1
OTORHINOLARYNGOLOGY	26	10	16	25	9	16	1	1	0
PEDIATRICS	41	11	30	34	7	27	7	4	3
PHARMACEUTICAL SCIENCES	857	506	351	188	140	48	669	366	303
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,208	507	701	750	333	417	458	174	284
PSYCHIATRY	81	47	34	68	41	27	13	6	7
PULMONARY DISEASE	12	12	0	12	12	0	0	0	0
RADIOLOGY	13	11	2	12	11	1	1	0	1
SPEECH PATHOLOGY/AUDIOLOGY	854	105	749	571	76	495	283	29	254
SURGERY	36	32	4	25	21	4	11	11	0
VETERINARY SCIENCES	80	64	16	75	61	14	5	3	2
CLINICAL MEDICINE, NEC.	315	133	182	284	126	158	31	7	24
HEALTH RELATED, NEC.	1,636	927	709	617	355	262	1,019	572	447
PSYCHOLOGY	14,797	7,718	7,079	9,178	4,805	4,373	5,619	2,913	2,706
SOCIAL SCIENCES	32,186	20,612	11,574	18,986	11,699	7,287	13,200	8,913	4,287
AGRICULTURAL ECONOMICS	79	66	13	79	66	13	0	0	0
ANTHROPOLOGY	1,715	782	933	1,349	616	733	366	166	200
ECONOMICS (EXCEPT AGRICULTURAL)	4,562	3,638	924	3,079	2,491	588	1,483	1,147	336
GEOGRAPHY	276	180	96	227	154	73	49	26	23
HISTORY AND PHILOSOPHY OF SCIENCE	137	99	38	122	84	38	15	15	0
LINGUISTICS	1,286	647	639	835	421	414	451	226	225
POLITICAL SCIENCE	13,883	10,062	3,821	6,066	4,423	1,643	7,817	5,639	2,178
SOCIOLOGY	3,598	1,953	1,645	2,596	1,438	1,158	1,002	515	487
SOCIOLOGY/ANTHROPOLOGY	614	394	220	280	166	114	334	228	106
SOCIAL SCIENCES, NEC.	6,036	2,791	3,245	4,353	1,840	2,513	1,683	951	732

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE A-6. GRADUATE STUDENTS IN ALL DEPARTMENTS, BY DIVISION, STATE, ENROLLMENT STATUS, AND SOURCE OF MAJOR SUPPORT: 1977

DIVISION AND STATE	TOTAL	FULL TIME						PART TIME	
		TOTAL		FEDERAL		NON-FEDERAL			
		NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
UNITED STATES TOTAL	362,978	238,202	65.6	52,667	22.1	185,535	77.9	124,776	34.4
NEW ENGLAND	26,532	18,097	68.2	5,044	27.9	13,053	72.1	8,435	31.8
CONNECTICUT	5,444	3,171	58.2	730	23.0	2,441	77.0	2,273	41.8
MAINE	469	378	80.6	117	31.0	261	69.0	91	19.4
MASSACHUSETTS	16,964	11,663	68.8	3,522	30.2	8,141	69.8	5,301	31.2
NEW HAMPSHIRE	787	644	81.8	157	24.4	487	75.6	143	18.2
RHODE ISLAND	1,747	1,299	74.4	431	33.2	868	66.8	448	25.6
VERMONT	1,121	942	84.0	87	9.2	855	90.8	179	16.0
MIDDLE ATLANTIC	65,586	34,308	52.3	7,386	21.5	26,922	78.5	31,278	47.7
NEW JERSEY	10,444	3,782	36.2	779	20.6	3,003	79.4	6,662	63.8
NEW YORK	38,858	21,089	54.3	4,156	19.7	16,933	80.3	17,769	45.7
PENNSYLVANIA	16,284	9,437	58.0	2,451	26.0	6,986	74.0	6,847	42.0
EAST NORTH CENTRAL	63,042	46,040	73.0	9,981	21.7	36,059	78.3	17,002	27.0
ILLINOIS	18,137	12,317	67.9	2,864	23.3	9,453	76.7	5,820	32.1
INDIANA	7,799	5,793	74.3	1,420	24.5	4,373	75.5	2,006	25.7
MICHIGAN	13,063	10,412	79.7	1,759	16.9	8,653	83.1	2,651	20.3
OHIO	15,599	11,008	70.6	2,152	19.5	8,856	80.5	4,591	29.4
WISCONSIN	8,444	6,510	77.1	1,786	27.4	4,724	72.6	1,934	22.9
WEST NORTH CENTRAL	24,428	17,976	73.6	3,702	20.6	14,274	79.4	6,452	26.4
IOWA	4,331	3,248	75.0	607	18.7	2,641	81.3	1,083	25.0
KANSAS	4,927	3,530	71.6	669	19.0	2,861	81.0	1,397	28.4
MINNESOTA	5,267	4,303	81.7	1,131	26.3	3,172	73.7	964	18.3
MISSOURI	6,476	4,479	69.2	896	20.0	3,583	80.0	1,997	30.8
NEBRASKA	2,031	1,333	65.6	199	14.9	1,134	85.1	698	34.4
NORTH DAKOTA	836	607	72.6	104	17.1	503	82.9	229	27.4
SOUTH DAKOTA	560	476	85.0	96	20.2	380	79.8	84	15.0
SOUTH ATLANTIC	50,366	31,930	63.4	6,952	21.8	24,978	78.2	18,436	36.6
DELAWARE	943	653	69.2	168	25.7	485	74.3	290	30.8
DISTRICT OF COLUMBIA	9,183	3,901	42.5	629	16.1	3,272	83.9	5,282	57.5
FLORIDA	9,030	5,966	66.1	1,584	26.6	4,382	73.4	3,064	33.9
GEORGIA	5,577	4,299	77.1	689	16.0	3,610	84.0	1,278	22.9
MARYLAND	6,942	3,700	53.3	892	24.1	2,808	75.9	3,242	46.7
NORTH CAROLINA	6,678	5,404	80.9	1,440	26.6	3,964	73.4	1,274	19.1
SOUTH CAROLINA	2,976	2,001	67.2	280	14.0	1,721	86.0	975	32.8
VIRGINIA	6,646	4,524	68.1	950	21.0	3,574	79.0	2,122	31.9
WEST VIRGINIA	2,391	1,482	62.0	320	21.6	1,162	78.4	909	38.0
EAST SOUTH CENTRAL	14,773	10,303	69.7	1,671	16.2	8,632	83.8	4,470	30.3
ALABAMA	3,531	2,286	64.7	477	20.9	1,809	79.1	1,245	35.3
KENTUCKY	3,102	2,199	70.9	291	13.2	1,908	86.8	903	29.1
MISSISSIPPI	2,190	1,657	75.7	258	15.6	1,399	84.4	533	24.3
TENNESSEE	5,950	4,161	69.9	645	15.5	3,516	84.5	1,789	30.1
WEST SOUTH CENTRAL	31,229	20,145	64.5	2,992	14.9	17,153	85.1	11,084	35.5
ARKANSAS	1,391	937	67.4	182	19.4	755	80.6	454	32.6
LOUISIANA	3,431	2,403	70.0	211	8.8	2,192	91.2	1,028	30.0
OKLAHOMA	3,789	2,737	72.2	567	20.7	2,170	79.3	1,052	27.8
TEXAS	22,618	14,068	62.2	2,032	14.4	12,036	85.6	8,550	37.8
MOUNTAIN	20,394	15,737	77.2	3,602	22.9	12,135	77.1	4,657	22.8
ARIZONA	4,735	3,416	72.1	686	20.1	2,730	79.9	1,319	27.9
COLORADO	6,711	5,398	80.4	1,486	27.5	3,912	72.5	1,313	19.6
IDAHO	1,192	792	66.4	135	17.0	657	83.0	400	33.6
MONTANA	784	738	94.1	147	19.9	591	80.1	46	5.9
NEVADA	738	615	83.3	90	14.6	525	85.4	123	16.7
NEW MEXICO	2,115	1,440	68.1	287	19.9	1,153	80.1	675	31.9
UTAH	3,444	2,743	79.6	609	22.2	2,134	77.8	701	20.4
WYOMING	675	595	88.1	162	27.2	433	72.8	80	11.9
PACIFIC	64,914	42,538	65.5	11,070	26.0	31,468	74.0	22,376	34.5
ALASKA	434	228	52.5	61	26.8	167	73.2	206	47.5
CALIFORNIA	53,018	32,862	62.0	8,519	25.9	24,343	74.1	20,156	38.0
HAWAII	1,543	1,373	89.0	400	29.1	973	70.9	170	11.0
OREGON	3,334	2,792	83.7	564	20.2	2,228	79.8	542	16.3
WASHINGTON	6,585	5,283	80.2	1,526	28.9	3,757	71.1	1,302	19.8
U.S. TERRITORIES	1,714	1,128	65.8	267	23.7	861	76.3	586	34.2

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE A-7. FULL-TIME GRADUATE STUDENYS IN ALL DEPARTMENTS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1977

FIELD OF SCIENCE	TOTAL	FEDERAL SUPPORT	INSTITU-TIONAL SUPPORT	OTHER OUTSIDE SUPPORT	SELF-SUPPORT
TOTAL, ALL FIELDS	238,202	52,667	84,721	19,279	81,535
ENGINEERING	38,770	10,854	10,865	5,372	11,679
AERONAUTICAL	1,343	673	320	167	183
AGRICULTURAL	761	148	272	190	151
BIOMEDICAL	723	213	182	25	303
CHEMICAL	3,967	1,179	1,242	772	774
CIVIL	6,492	1,541	1,936	823	2,192
ELECTRICAL	8,447	2,395	2,324	1,078	2,650
ENGINEERING SCIENCE	1,569	553	562	141	313
INDUSTRIAL	4,224	835	1,053	538	1,798
MECHANICAL	4,490	1,251	1,387	574	1,278
METALLURGICAL/MATERIALS	1,965	980	370	383	232
MINING	461	229	68	73	91
NUCLEAR	1,170	326	389	223	232
PETROLEUM	402	119	79	163	41
ENGINEERING, NEC.	2,756	412	681	222	1,441
PHYSICAL SCIENCES	22,530	6,649	12,642	1,402	1,837
ASTRONOMY	500	188	226	39	47
CHEMISTRY	13,027	3,340	7,885	886	916
PHYSICS	8,954	3,120	4,517	476	841
PHYSICAL SCIENCES, NEC.	49	1	14	1	33
ENVIRONMENTAL SCIENCES	9,625	3,027	3,518	725	2,355
ATMOSPHERIC SCIENCES	893	599	143	37	114
GEOSCIENCES	6,389	1,564	2,675	555	1,595
OCEANOGRAPHY	1,789	784	466	112	427
ENVIRONMENTAL SCIENCES, NEC.	554	80	234	21	219
MATHEMATICAL SCIENCES	14,444	1,284	8,239	757	4,164
COMPUTER SCIENCE	4,532	702	1,522	249	2,059
MATHEMATICS AND APPLIED MATHEMATICS	8,378	394	5,905	350	1,729
STATISTICS	1,534	188	812	158	376
LIFE SCIENCES	69,244	19,566	22,958	5,651	21,069
AGRICULTURAL SCIENCES	11,110	2,008	3,645	2,003	3,454
BIOLOGICAL SCIENCES	38,247	10,211	15,935	2,503	9,598
ANATOMY	1,043	255	517	43	228
BIOCHEMISTRY	3,568	1,717	1,224	240	387
BIOLOGY	10,902	1,755	5,243	484	3,420
BIOMETRY/EPIDEMIOLOGY	677	280	159	47	191
BIOPHYSICS	623	359	161	38	65
BOTANY	2,753	447	1,458	256	592
CELL BIOLOGY	584	336	199	21	28
ECOLOGY	860	164	377	56	263
ENTOMOLOGY/PARASITOLOGY	1,368	298	546	214	310
GENETICS	943	414	236	103	190
MICROBIOLOGY	3,722	1,203	1,556	179	784
NUTRITION	2,850	611	888	368	983
PATHOLOGY	948	305	272	84	287
PHARMACOLOGY	1,641	727	491	119	304
PHYSIOLOGY	2,001	686	741	109	465
ZOOLOGY	2,668	396	1,553	113	606
BIOSCIENCES, NEC.	1,096	258	314	29	495
HEALTH SCIENCES	19,887	7,347	3,378	1,145	8,017
ANESTHESIOLOGY	3	0	2	1	0
CARDIOLOGY	3	2	1	0	0
CLINICAL PHARMACOLOGY	16	4	3	6	3
DENTISTRY	1,220	135	368	147	570
ENDOCRINOLOGY	35	13	7	2	13
GASTROENTEROLOGY	8	6	1	1	0
HEMATOLOGY	7	0	5	0	2
NEUROLOGY	336	167	104	36	29
NURSING	5,395	3,578	233	147	1,437
OBSTETRICS/GYNECOLOGY	31	17	11	1	2
OPHTHALMOLOGY	11	6	2	1	2
OTORHINOLARYNGOLOGY	56	14	23	4	15
PEDIATRICS	101	47	16	11	27
PHARMACEUTICAL SCIENCES	1,571	354	743	145	329
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	3,056	1,235	324	185	1,312
PSYCHIATRY	173	59	58	9	47
PULMONARY DISEASE	17	11	3	2	1
RADIOLOGY	221	83	41	20	77
SPEECH PATHOLOGY/AUDIOLOGY	4,169	863	760	119	2,427
SURGERY	86	18	63	3	2
VETERINARY SCIENCES	646	125	266	118	137
CLINICAL MEDICINE, NEC.	755	176	171	75	333
HEALTH RELATED, NEC.	1,971	434	173	112	1,252
PSYCHOLOGY	25,883	4,278	8,393	1,488	11,724
SOCIAL SCIENCES	57,706	7,009	18,106	3,884	28,707
AGRICULTURAL ECONOMICS	2,061	511	748	345	457
ANTHROPOLOGY	5,126	564	1,593	246	2,723
ECONOMICS (EXCEPT AGRICULTURAL)	8,203	598	3,680	987	2,938
GEOGRAPHY	2,275	170	1,170	159	776
HISTORY AND PHILOSOPHY OF SCIENCE	257	14	135	23	85
LINGUISTICS	3,437	321	1,495	153	1,468
POLITICAL SCIENCE	14,435	1,480	3,896	883	8,176
SOCIOLOGY	9,320	1,088	3,583	612	4,037
SOCIOLOGY/ANTHROPOLOGY	804	90	364	42	308
SOCIAL SCIENCES, NEC.	11,788	2,173	1,442	434	7,739

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE A-8. FULL-TIME GRADUATE STUDENTS IN ALL DEPARTMENTS IN PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1977

FIELD OF SCIENCE	TOTAL	FEDERAL SUPPORT	INSTITUTIONAL SUPPORT	OTHER OUTSIDE SUPPORT	SELF-SUPPORT
TOTAL, ALL FIELDS	171,560	36,445	65,082	12,649	57,384
ENGINEERING	26,647	7,187	7,930	2,938	8,592
AERONAUTICAL	829	422	219	68	120
AGRICULTURAL	725	137	261	184	143
BIOMEDICAL	400	90	106	12	192
CHEMICAL	2,710	839	876	450	545
CIVIL	4,805	1,115	1,476	531	1,683
ELECTRICAL	5,632	1,546	1,653	496	1,937
ENGINEERING SCIENCE	1,166	454	362	104	246
INDUSTRIAL	2,413	435	744	168	1,066
MECHANICAL	3,077	832	1,030	306	909
METALLURGICAL/MATERIALS	1,228	571	263	210	184
MINING	380	187	50	58	85
NUCLEAR	911	243	331	140	197
PETROLEUM	284	86	65	99	34
ENGINEERING, NEC.	2,087	230	494	112	1,251
PHYSICAL SCIENCES	15,826	4,252	9,294	901	1,379
ASTRONOMY	322	103	166	19	34
CHEMISTRY	9,514	2,276	5,924	647	667
PHYSICS	5,946	1,872	3,193	235	646
PHYSICAL SCIENCES, NEC.	44	1	11	0	32
ENVIRONMENTAL SCIENCES	7,811	2,335	2,949	540	1,987
ATMOSPHERIC SCIENCES	833	553	139	28	113
GEOSCIENCES	5,051	1,055	2,196	420	1,380
OCEANOGRAPHY	1,435	649	398	77	311
ENVIRONMENTAL SCIENCES, NEC.	492	78	216	15	183
MATHEMATICAL SCIENCES	11,124	778	6,585	398	3,363
COMPUTER SCIENCE	3,588	500	1,287	152	1,649
MATHEMATICS AND APPLIED MATHEMATICS	6,247	141	4,586	144	1,376
STATISTICS	1,289	137	712	102	338
LIFE SCIENCES	54,727	14,394	18,945	4,645	16,743
AGRICULTURAL SCIENCES	10,732	1,932	3,501	1,943	3,356
BIOLOGICAL SCIENCES	28,915	6,882	12,634	1,904	7,495
ANATOMY	695	129	377	28	161
BIOCHEMISTRY	2,519	1,148	938	172	261
BIOLOGY	7,731	997	3,713	361	2,660
BIOMETRY/EPIDEMIOLOGY	479	244	97	17	121
BIOPHYSICS	315	145	88	20	62
BOTANY	2,571	411	1,356	239	565
CELL BIOLOGY	381	216	130	14	21
ECOLOGY	776	143	335	42	256
ENTOMOLOGY/PARASITOLOGY	1,311	284	519	204	304
GENETICS	693	270	210	74	139
MICROBIOLOGY	2,816	768	1,310	138	600
NUTRITION	2,232	447	716	240	829
PATHOLOGY	610	184	180	52	194
PHARMACOLOGY	1,077	432	362	83	200
PHYSIOLOGY	1,447	484	579	87	297
ZOOLOGY	2,502	370	1,452	108	572
BIOSCIENCES, NEC.	760	210	272	25	253
HEALTH SCIENCES	15,080	5,580	2,810	798	5,892
ANESTHESIOLOGY	2	0	1	1	0
CARDIOLOGY	2	1	1	0	0
CLINICAL PHARMACOLOGY	5	4	0	1	0
DENTISTRY	752	109	326	50	267
ENDOCRINOLOGY	35	13	7	2	13
GASTROENTEROLOGY	8	6	1	1	0
HEMATOLOGY	1	0	1	0	0
NEUROLOGY	185	97	49	22	17
NURSING	3,905	2,544	180	75	1,106
OBSTETRICS/GYNECOLOGY	17	13	1	1	2
OPHTHALMOLOGY	7	5	1	1	0
OTORHINOLARYNGOLOGY	31	9	20	2	0
PEDIATRICS	67	30	8	6	23
PHARMACEUTICAL SCIENCES	1,383	348	640	139	256
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,306	996	284	142	884
PSYCHIATRY	105	36	47	5	17
PULMONARY DISEASE	5	1	3	0	1
RADIOLOGY	209	81	39	19	70
SPEECH PATHOLOGY/AUDIOLOGY	3,598	733	690	100	2,075
SURGERY	61	6	50	3	2
VETERINARY SCIENCES	571	119	226	109	117
CLINICAL MEDICINE, NEC.	471	100	116	44	211
HEALTH RELATED, NEC.	1,354	329	119	75	831
PSYCHOLOGY	16,705	2,927	6,188	1,054	6,536
SOCIAL SCIENCES	38,720	4,572	13,191	2,173	18,784
AGRICULTURAL ECONOMICS	1,982	492	711	334	445
ANTHROPOLOGY	3,777	363	1,191	140	2,083
ECONOMICS (EXCEPT AGRICULTURAL)	5,124	337	2,495	391	1,901
GEOGRAPHY	2,048	140	1,053	136	719
HISTORY AND PHILOSOPHY OF SCIENCE	135	3	66	10	56
LINGUISTICS	2,602	238	1,132	101	1,131
POLITICAL SCIENCE	8,369	759	2,526	386	4,698
SOCIOLOGY	6,724	774	2,758	360	2,832
SOCIOLOGY/ANTHROPOLOGY	524	34	242	30	218
SOCIAL SCIENCES, NEC.	7,435	1,432	1,017	285	4,701

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-9. FULL-TIME GRADUATE STUDENTS IN ALL DEPARTMENTS IN PRIVATELY CONTPOLLED INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1977

FIELD OF SCIENCE	TOTAL	FEDERAL SUPPORT	INSTITUTIONAL SUPPORT	OTHER OUTSIDE SUPPORT	SELF-SUPPORT
TOTAL, ALL FIELDS	66,642	16,222	19,639	6,630	24,151
ENGINEERING	12,123	3,667	2,935	2,434	3,087
AERONAUTICAL	514	251	101	99	63
AGRICULTURAL	36	11	11	6	8
BIOMEDICAL	323	123	76	13	111
CHEMICAL	1,257	340	366	322	229
CIVIL	1,687	426	460	292	509
ELECTRICAL	2,315	849	671	582	713
ENGINEERING SCIENCE	403	99	200	37	67
INDUSTRIAL	1,811	400	309	370	732
MECHANICAL	1,413	419	357	268	369
METALLURGICAL/MATERIALS	737	409	107	173	48
MINING	81	42	18	15	6
NUCLEAR	259	83	58	83	35
PETROLEUM	118	33	14	64	7
ENGINEERING, NEC.	669	182	187	110	190
PHYSICAL SCIENCES	6,704	2,397	3,348	501	458
ASTRONOMY	178	85	60	20	13
CHEMISTRY	3,513	1,064	1,961	239	249
PHYSICS	3,008	1,248	1,324	241	195
PHYSICAL SCIENCES, NEC.	5	0	3	1	1
ENVIRONMENTAL SCIENCES	1,814	692	569	185	368
ATMOSPHERIC SCIENCES	60	46	4	9	1
GEOSCIENCES	1,338	509	479	135	215
OCEANOGRAPHY	354	135	68	35	116
ENVIRONMENTAL SCIENCES, NEC.	62	2	18	6	36
MATHEMATICAL SCIENCES	3,320	506	1,654	359	801
COMPUTER SCIENCE	944	202	235	97	410
MATHEMATICS AND APPLIED MATHEMATICS	2,131	253	1,319	206	353
STATISTICS	245	51	100	56	38
LIFE SCIENCES	14,517	5,172	4,013	1,006	4,326
AGRICULTURAL SCIENCES	378	76	144	60	98
BIOLOGICAL SCIENCES	9,332	3,329	3,301	599	2,103
ANATOMY	348	126	140	15	67
BIOCHEMISTRY	1,049	569	286	68	126
BIOLOGY	3,171	758	1,530	123	760
BIOMETRY/EPIDEMIOLOGY	198	36	62	30	70
BIOPHYSICS	308	214	73	18	3
BOTANY	182	36	102	17	27
CELL BIOLOGY	203	120	69	7	7
ECOLOGY	84	21	42	14	7
ENTOMOLOGY/PARASITOLOGY	57	14	27	10	6
GENETICS	250	144	26	29	51
MICROBIOLOGY	906	435	246	41	184
NUTRITION	618	164	172	128	154
PATHOLOGY	338	121	92	32	93
PHARMACOLOGY	564	295	129	36	104
PHYSIOLOGY	554	202	162	22	168
ZOOLOGY	166	26	101	5	34
BIOSCIENCES, NEC.	336	48	42	4	242
HEALTH SCIENCES	4,807	1,767	568	347	2,125
ANESTHESIOLOGY	1	0	1	0	0
CARDIOLOGY	1	1	0	0	0
CLINICAL PHARMACOLOGY	11	0	3	5	3
DENTISTRY	468	26	42	97	303
ENDOCRINOLOGY	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0
HEMATOLOGY	6	0	4	0	2
NEUROLOGY	151	70	55	14	12
NURSING	1,490	1,034	53	72	331
OBSTETRICS/GYNECOLOGY	14	4	10	0	0
OPHTHALMOLOGY	4	1	1	0	2
OTORHINOLARYNGOLOGY	25	5	3	2	15
PEDIATRICS	34	17	8	5	4
PHARMACEUTICAL SCIENCES	188	6	103	6	73
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	750	239	40	43	428
PSYCHIATRY	68	23	11	4	30
PULMONARY DISEASE	12	10	0	2	0
RADIOLOGY	12	2	2	1	7
SPEECH PATHOLOGY/AUDIOLOGY	571	130	70	19	352
SURGERY	25	12	13	0	0
VETERINARY SCIENCES	75	6	40	9	20
CLINICAL MEDICINE, NEC.	284	76	55	31	122
HEALTH RELATED, NEC.	617	105	54	37	421
PSYCHOLOGY	9,178	1,351	2,205	434	5,188
SOCIAL SCIENCES	18,986	2,437	4,915	1,711	9,923
AGRICULTURAL ECONOMICS	79	19	37	11	12
ANTHROPOLOGY	1,349	201	402	106	640
ECONOMICS (EXCEPT AGRICULTURAL)	3,079	261	1,185	596	1,037
GEOGRAPHY	227	30	117	23	57
HISTORY AND PHILOSOPHY OF SCIENCE	122	11	69	13	29
LINGUISTICS	835	83	363	52	337
POLITICAL SCIENCE	6,066	721	1,370	497	3,478
SOCIOLOGY	2,596	314	825	252	1,205
SOCIOLOGY/ANTHROPOLOGY	280	56	122	12	90
SOCIAL SCIENCES, NEC.	4,353	741	425	149	3,038

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE A-10. FULL-TIME GRADUATE STUDENTS IN ALL DEPARTMENTS, BY FIELD OF SCIENCE, INSTITUTIONAL CONTROL, AND CITIZENSHIP: 1977

FIELD OF SCIENCE	ALL INSTITUTIONS			PUBLIC			PRIVATE		
	TOTAL	U.S. CITIZENS	FOREIGN STUDENTS	TOTAL	U.S. CITIZENS	FOREIGN STUDENTS	TOTAL	U.S. CITIZENS	FOREIGN STUDENTS
TOTAL, ALL FIELDS	238,202	199,450	38,752	171,560	144,742	26,818	66,642	54,708	11,934
ENGINEERING	38,770	24,777	13,993	26,647	17,243	9,404	12,123	7,534	4,389
AERONAUTICAL	1,343	800	543	829	518	311	514	282	232
AGRICULTURAL	761	400	361	725	376	349	36	24	12
BIOMEDICAL	723	613	110	400	332	68	323	281	42
CHEMICAL	3,967	2,402	1,565	2,710	1,648	1,062	1,257	754	503
CIVIL	6,492	4,277	2,215	4,805	3,237	1,568	1,687	1,040	647
ELECTRICAL	8,447	5,358	3,089	5,632	3,572	2,060	2,815	1,786	1,029
ENGINEERING SCIENCE	1,569	1,017	552	1,166	758	408	403	259	144
INDUSTRIAL	4,224	2,685	1,539	2,413	1,578	835	1,811	1,107	704
MECHANICAL	4,490	2,807	1,683	3,077	1,934	1,143	1,413	873	540
METALLURGICAL/MATERIALS	1,965	1,187	778	1,228	739	489	737	448	289
MINING	461	280	181	380	238	142	81	42	39
NUCLEAR	1,170	775	395	911	599	312	259	176	83
PETRULEUM	402	146	256	284	119	165	118	27	91
ENGINEERING, NEC.	2,756	2,030	726	2,087	1,595	492	669	435	234
PHYSICAL SCIENCES	22,530	17,811	4,719	15,826	12,631	3,195	6,704	5,180	1,524
ASTRONOMY	500	439	61	322	299	23	178	140	38
CHEMISTRY	13,027	10,447	2,580	9,514	7,691	1,823	3,513	2,756	757
PHYSICS	8,954	6,880	2,074	5,946	4,601	1,345	3,008	2,279	729
PHYSICAL SCIENCES, NEC.	49	45	4	44	40	4	5	5	0
ENVIRONMENTAL SCIENCES	9,625	8,511	1,114	7,811	7,009	802	1,814	1,502	312
ATMOSPHERIC SCIENCES	893	755	138	833	714	119	60	41	19
GEOSCIENCES	6,389	5,720	669	5,051	4,554	497	1,338	1,166	172
OCEANOGRAPHY	1,789	1,530	259	1,435	1,280	155	354	250	104
ENVIRONMENTAL SCIENCES, NEC.	554	506	48	492	461	31	62	45	17
MATHEMATICAL SCIENCES	14,444	11,124	3,320	11,124	8,639	2,485	3,320	2,485	835
COMPUTER SCIENCE	4,532	3,444	1,088	3,588	2,722	866	944	722	222
MATHEMATICS AND APPLIED MATHEMATICS	8,378	6,689	1,689	6,247	5,097	1,150	2,131	1,592	539
STATISTICS	1,534	991	543	1,289	820	469	245	171	74
LIFE SCIENCES	69,244	61,989	7,255	54,727	48,851	5,876	14,517	13,138	1,379
AGRICULTURAL SCIENCES	11,110	8,995	2,115	10,732	8,722	2,010	378	273	105
BIOLOGICAL SCIENCES	38,247	34,523	3,724	28,915	26,111	2,804	9,332	8,412	920
ANATOMY	1,043	993	50	695	662	33	348	331	17
BIOCHEMISTRY	3,568	3,134	434	2,519	2,202	317	1,049	932	117
BIOLOGY	10,902	10,210	692	7,731	7,274	457	3,171	2,936	235
BIOMETRY/EPIDEMIOLOGY	677	594	83	479	423	56	198	171	27
BIOPHYSICS	623	527	96	315	262	53	308	265	43
BOTANY	2,753	2,411	342	2,571	2,262	309	182	149	33
CELL BIOLOGY	584	529	55	381	351	30	203	178	25
ECOLOGY	860	811	49	776	743	33	84	68	16
ENTOMOLOGY/PARASITOLOGY	1,368	1,136	232	1,311	1,088	223	57	48	9
GENETICS	943	837	106	693	611	82	250	226	24
MICROBIOLOGY	3,722	3,430	292	2,816	2,588	228	906	842	64
NUTRITION	2,850	2,159	691	2,232	1,686	546	618	473	145
PATHOLOGY	948	820	128	610	530	80	338	290	48
PHARMACOLOGY	1,641	1,485	156	1,077	965	112	564	520	44
PHYSIOLOGY	2,001	1,878	123	1,447	1,358	89	554	520	34
ZOOLOGY	2,668	2,544	124	2,502	2,409	93	166	135	31
BIOSCIENCES, NEC.	1,096	1,025	71	760	697	63	336	328	8
HEALTH SCIENCES	19,887	18,471	1,416	15,080	14,018	1,062	4,807	4,453	354
ANESTHESIOLOGY	3	3	0	2	2	0	1	1	0
CARDIOLOGY	3	3	0	2	2	0	1	1	0
CLINICAL PHARMACOLOGY	16	12	4	5	5	0	11	7	4
DENTISTRY	1,220	1,031	189	752	628	124	468	403	65
ENDOCRINOLOGY	35	32	3	35	32	3	0	0	0
GASTROENTEROLOGY	8	8	0	8	8	0	0	0	0
HEMATOLOGY	7	5	2	1	1	0	6	4	2
NEUROLOGY	336	312	24	185	174	11	151	138	13
NURSING	5,395	5,255	140	3,905	3,839	66	1,490	1,416	74
OBSTETRICS/GYNECOLOGY	31	26	5	17	12	5	14	14	0
OPHTHALMOLOGY	11	9	2	7	7	0	4	2	2
OTORHINOLARYNGOLOGY	56	52	4	31	27	4	25	25	0
PEDIATRICS	101	90	11	67	64	3	34	26	8
PHARMACEUTICAL SCIENCES	1,571	1,148	423	1,383	996	387	188	152	36
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	3,056	2,812	244	2,306	2,132	174	750	680	70
PSYCHIATRY	173	167	6	105	99	6	68	68	0
PULMONARY DISEASE	17	17	0	5	5	0	12	12	0
RADIOLOGY	221	195	26	209	188	21	12	7	5
SPEECH PATHOLOGY/AUDIOLOGY	4,169	4,107	62	3,598	3,546	52	571	561	10
SURGERY	86	79	7	61	54	7	25	25	0
VETERINARY SCIENCES	646	503	143	571	459	112	75	44	31
CLINICAL MEDICINE, NEC.	755	706	49	471	434	37	284	272	12
HEALTH RELATED, NEC.	1,971	1,899	72	1,354	1,304	50	617	595	22
PSYCHOLOGY	25,883	25,139	744	16,705	16,284	421	9,178	8,855	323
SOCIAL SCIENCES	57,706	50,099	7,607	38,720	34,085	4,635	18,986	16,014	2,972
AGRICULTURAL ECONOMICS	2,061	1,379	682	1,982	1,328	654	79	51	28
ANTHROPOLOGY	5,126	4,837	289	3,777	3,593	184	1,349	1,244	105
ECONOMICS (EXCEPT AGRICULTURAL)	8,203	5,355	2,848	5,124	3,595	1,529	3,079	1,760	1,319
GEOGRAPHY	2,275	2,012	263	2,048	1,815	233	227	197	30
HISTORY AND PHILOSOPHY OF SCIENCE	257	232	25	135	120	15	122	112	10
LINGUISTICS	3,437	2,912	525	2,602	2,236	366	835	676	159
POLITICAL SCIENCE	14,435	12,732	1,703	8,369	7,518	851	6,066	5,214	852
SOCIOLOGY	9,320	8,337	983	6,724	6,089	635	2,596	2,248	348
SOCIOLOGY/ANTHROPOLOGY	804	717	87	524	479	45	280	238	42
SOCIAL SCIENCES, NEC.	11,788	11,586	202	7,435	7,312	123	4,353	4,274	79

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE A-11. FULL-TIME GRADUATE STUDENTS IN ALL DEPARTMENTS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			FEDERAL SUPPORT			INSTITUTIONAL SUPPORT			OTHER OUTSIDE SUPPORT			SELF-SUPPORT		
	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE
TOTAL, ALL FIELDS	232017	238202	2.7	50,570	52,667	4.1	83,163	84,721	1.9	18,389	19,279	4.8	79,895	81,535	2.1
ENGINEERING	37,806	38,770	2.5	10,644	10,854	2.0	10,708	10,865	1.5	5,026	5,372	6.9	11,428	11,679	2.2
AERONAUTICAL	1,291	1,343	4.0	585	673	15.0	377	320	-15.1	148	167	12.8	181	183	1.1
AGRICULTURAL	717	761	6.1	102	148	45.1	281	272	-3.2	192	190	-1.0	142	151	6.3
BIOMEDICAL	719	723	.6	268	213	-20.5	163	182	11.7	23	25	8.7	265	303	14.3
CHEMICAL	3,711	3,967	6.9	1,101	1,179	7.1	1,166	1,242	6.5	739	772	4.5	705	774	9.8
CIVIL	6,249	6,492	3.9	1,653	1,541	-6.8	1,775	1,936	9.1	788	823	4.4	2,033	2,192	7.8
ELECTRICAL	8,088	8,447	4.4	2,232	2,395	7.3	2,436	2,324	-4.6	914	1,078	17.9	2,506	2,650	5.7
ENGINEERING SCIENCE	1,715	1,569	-8.5	671	553	-17.6	554	562	1.4	140	141	.7	350	313	-10.6
INDUSTRIAL	4,386	4,224	-3.7	812	835	2.8	1,095	1,053	-3.8	577	538	-6.8	1,902	1,798	-5.5
MECHANICAL	4,380	4,490	2.5	1,286	1,251	-2.7	1,358	1,387	2.1	464	574	23.7	1,272	1,278	.5
METALLURGICAL/MATERIALS	1,898	1,965	3.5	963	980	1.8	367	370	.8	370	383	3.5	198	232	17.2
MINING	424	461	8.7	200	229	14.5	67	68	1.5	88	73	-17.0	69	91	31.9
NUCLEAR	1,233	1,170	-5.1	359	326	-9.2	367	389	6.0	226	223	-1.3	281	232	-17.4
PETROLEUM	413	402	-2.7	98	119	21.4	65	79	21.5	183	163	-10.9	67	41	-38.8
ENGINEERING, NEC.	2,582	2,756	6.7	314	412	31.2	637	681	6.9	174	222	27.6	1,457	1,441	-1.1
PHYSICAL SCIENCES	22,290	22,530	1.1	6,471	6,649	2.8	12,577	12,642	.5	1,349	1,402	3.9	1,893	1,837	-3.0
ASTRONOMY	525	500	-4.8	211	188	-10.9	223	226	1.3	32	39	21.9	59	47	-20.3
CHEMISTRY	12,717	13,037	2.4	3,205	3,340	4.2	7,781	7,885	1.3	807	886	9.8	924	916	-.9
PHYSICS	9,021	8,954	-.7	3,055	3,120	2.1	4,568	4,517	-1.1	509	476	-6.5	889	841	-5.4
PHYSICAL SCIENCES, NEC.	27	49	81.5	0	1	**	5	14	180.0	1	1	.0	21	33	57.1
ENVIRONMENTAL SCIENCES	9,264	9,625	3.9	2,877	3,027	5.2	3,412	3,518	3.1	726	725	-.1	2,249	2,355	4.7
ATMOSPHERIC SCIENCES ...	888	893	.6	578	599	3.6	155	143	-7.7	52	37	-28.8	103	114	10.7
GEOSCIENCES	6,220	6,389	2.7	1,422	1,564	10.0	2,689	2,675	-.5	502	555	10.6	1,607	1,595	-.7
OCEANOGRAPHY	1,741	1,789	2.8	790	784	-.8	398	466	17.1	148	112	-24.3	405	427	5.4
ENVIRONMENTAL SCIENCES, NEC.	415	554	33.5	87	80	-8.0	170	234	37.6	24	21	-12.5	134	219	63.4
MATHEMATICAL SCIENCES	15,048	14,444	-4.0	1,305	1,284	-1.6	8,531	8,239	-3.4	782	757	-3.2	4,430	4,164	-6.0
COMPUTER SCIENCE	4,668	4,532	-2.9	696	702	.9	1,559	1,522	-2.4	279	249	-10.8	2,134	2,059	-3.5
MATHEMATICS AND APPLIED MATHEMATICS ..	8,850	8,378	-5.3	427	394	-7.7	6,159	5,905	-4.1	348	350	.6	1,916	1,729	-9.8
STATISTICS	1,530	1,534	.3	182	188	3.3	813	812	-.1	155	158	1.9	380	376	-1.1
LIFE SCIENCES	66,421	69,244	4.3	18,441	19,566	6.1	22,143	22,958	3.7	5,467	5,651	3.4	20,370	21,069	3.4
AGRICULTURAL SCIENCES	10,962	11,110	1.4	1,987	2,008	1.1	3,538	3,645	3.0	1,938	2,003	3.4	3,499	3,454	-1.3
BIOLOGICAL SCIENCES	37,753	38,247	1.3	9,990	10,211	2.2	15,519	15,935	2.7	2,499	2,503	.2	9,745	9,598	-1.5
ANATOMY	1,038	1,043	.5	262	255	-2.7	461	517	12.1	37	43	16.2	278	228	-18.0
BIOCHEMISTRY	3,484	3,568	2.4	1,630	1,717	5.3	1,194	1,224	2.5	268	240	-10.4	392	387	-1.3
BIOLOGY	11,029	10,902	-1.2	1,710	1,755	2.6	5,204	5,243	.7	459	484	5.4	3,656	3,420	-6.5
BIOMETRY/EPIDEMIOLOGY ..	534	677	26.8	247	280	13.4	109	159	45.9	56	47	-16.1	122	191	56.6
BIOPHYSICS	667	623	-6.6	383	359	-6.3	168	161	-4.2	26	38	46.2	90	65	-27.8
BOTANY	2,655	2,753	3.7	396	447	12.9	1,472	1,458	-1.0	261	256	-1.9	526	592	12.5
CELL BIOLOGY	535	584	9.2	251	336	33.9	211	199	-5.7	25	21	-16.0	48	28	-41.7
ECOLOGY	728	860	18.1	148	164	10.8	383	377	-1.6	44	56	27.3	153	263	71.9
ENTOMOLOGY/PARASITOLOGY	1,403	1,368	-2.5	315	298	-5.4	538	546	1.5	211	214	1.4	339	310	-8.6
GENETICS	800	943	17.9	330	414	25.5	217	236	8.8	72	103	43.1	181	190	5.0
MICROBIOLOGY	3,680	3,722	1.1	1,261	1,203	-4.6	1,451	1,556	7.2	201	179	-10.9	767	784	2.2
NUTRITION	2,543	2,850	12.1	581	611	5.2	715	888	24.2	367	368	.3	880	983	11.7
PATHOLOGY	927	948	2.3	351	305	-13.1	236	272	15.3	93	84	-9.7	247	287	16.2
PHARMACOLOGY	1,576	1,641	4.1	745	727	-2.4	481	491	2.1	73	119	63.0	277	304	9.7
PHYSIOLOGY	2,046	2,001	-2.2	658	686	4.3	776	741	-4.5	104	109	4.8	508	465	-8.5
ZOOLOGY	2,925	2,668	-8.8	445	396	-11.0	1,583	1,553	-1.9	153	113	-26.1	744	606	-18.5
BIOSCIENCES, NEC.	1,183	1,096	-7.4	277	258	-6.9	320	314	-1.9	49	29	-40.8	537	495	-7.8
HEALTH SCIENCES	17,706	19,887	12.3	6,464	7,347	13.7	3,086	3,378	9.5	1,030	1,145	11.2	7,126	8,017	12.5
ANESTHESIOLOGY	5	3	-40.0	2	0	-100.0	3	2	-33.3	0	1	**	0	0	**
CARDIOLOGY	14	3	-78.6	2	2	.0	8	1	-87.5	4	0	-100.0	0	0	**
CLINICAL PHARMACOLOGY ..	24	16	-33.3	19	4	-78.9	0	3	**	5	6	20.0	0	3	**
DENTISTRY	1,043	1,220	17.0	139	135	-2.9	342	368	7.6	119	147	23.5	443	570	28.7
ENDOCRINOLOGY	33	35	6.1	12	13	8.3	14	7	-50.0	0	2	**	7	13	85.7
GASTROENTEROLOGY	8	8	.0	6	6	.0	2	1	-50.0	0	1	**	0	0	**
HEMATOLOGY	3	7	133.3	0	0	**	1	5	400.0	0	0	**	2	2	.0
NEUROLOGY	327	336	2.8	207	167	-19.3	72	104	44.4	20	36	80.0	28	29	3.6
NURSING	3,975	5,395	35.7	2,693	3,578	32.9	190	233	22.6	64	147	129.7	1,028	1,437	39.8
OBSTETRICS/GYNECOLOGY ..	52	31	-40.4	23	17	-26.1	14	11	-21.4	10	1	-90.0	5	2	-60.0
OPHTHALMOLOGY	12	11	-8.3	6	6	.0	4	2	-50.0	0	1	**	2	2	.0
OTORHINOLARYNGOLOGY	64	56	-12.5	26	14	-46.2	25	23	-8.0	5	4	-20.0	8	15	87.5
PEDIATRICS	143	101	-29.4	75	47	-37.3	24	16	-33.3	13	11	-15.4	31	27	-12.9
PHARMACEUTICAL SCIENCES	1,422	1,571	10.5	329	354	7.6	721	743	3.1	156	145	-7.1	216	329	52.3
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	3,210	3,056	-4.8	1,328	1,235	-7.0	326	324	-.6	211	185	-12.3	1,345	1,312	-2.5
PSYCHIATRY	237	173	-27.0	73	59	-19.2	70	58	-17.1	25	9	-64.0	69	47	-31.9
PULMONARY DISEASE	2	17	750.0	2	11	450.0	0	3	**	0	2	**	0	1	**
RADIOLOGY	199	221	11.1	82	83	1.2	54	41	-24.1	14	20	42.9	49	77	57.1
SPEECH PATH/AUDIOLOGY ..	3,821	4,169	9.1	781	863	10.5	675	760	12.6	64	119	85.9	2,301	2,427	5.5
SURGERY	109	86	-21.1	30	18	-40.0	69	63	-8.7	9	3	-66.7	1	2	100.0
VETERINARY SCIENCES	581	646	11.2	115	125	8.7	218	266	22.0	97	118	21.6	151	137	-9.3
CLINICAL MEDICINE, NEC.	575	755	31.3	95	176	85.3	124	171	37.9	56	75	33.9	300	333	11.0
HEALTH RELATED, NEC. ...	1,847	1,971	6.7	419	434	3.6	130	173	33.1	158	112	-29.1	1,140	1,252	9.8
PSYCHOLOGY	25,748	25,883	.5	4,310	4,278	-.7	8,064	8,393	4.1	1,352	1,488	10.1	12,022	11,724	-2.5
SOCIAL SCIENCES	55,440	57,706	4.1	6,522	7,009	7.5	17,728	18,106	2.1	3,687	3,884	5.3	27,503	28,707	4.4
AGRICULTURAL ECONOMICS .	2,027	2,061	1.7	435	511	17.5	786	748	-4.8	263	345	31.2	543	457	-15.8
ANTHROPOLOGY	5,019	5,126	2.1	600	564	-6.0	1,615	1,593	-1.4	222	246	10.8	2,582	2,723	5.5
ECONOMICS (EXCEPT AGRICULTURAL)	7,867	8,203	4.3	547	598	9.3	3,591	3,680	2.5	982	987	.5	2,747	2,938	7.0
GEOGRAPHY	2,447	2,275	-7.0	192	170	-11.5	1,109	1,170	5.5	180	159	-11.7	966	776	-19.7
HISTORY AND PHILOSOPHY OF SCIENCE	270	257	-4.8	18	14	-22.2	144	135	-6.3	22	23	4.5	86	85	-1.2
LINGUISTICS	3,836	3,437	-10.4	331	321	-3.0	1,413	1,495	5.8	142	153	7.7	1,950	1,468	-24.7
POLITICAL SCIENCE	13,604	14,435	6.1	1,118	1,480	32.4	3,910	3,896	-.4	919	883	-3.9	7,657	8,176	6.8
SOCIOLOGY	9,817	9,320	-5.1	1,328	1,088	-18.1	3,521	3,583	1.8	617	612	-.8	4,351	4,037	-7.2
SOCIOLOGY/ANTHROPOLOGY .	739	804	8.8	97	90	-7.2	357	364	2.0	75	42	-44.0	210	308	46.7
SOCIAL SCIENCES, NEC. ..	9,814	11,788	20.1	1,856	2,173	17.1	1,282	1,442	12.5	265	434	63.8	6,411	7,739	20.7

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE A-12. FULL-TIME GRADUATE STUDENTS IN ALL DEPARTMENTS IN PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			FEDERAL SUPPORT			INSTITUTIONAL SUPPORT			OTHER OUTSIDE SUPPORT			SELF-SUPPORT		
	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE
TOTAL, ALL FIELDS	168460	171560	1.8	35,422	36,445	2.9	63,939	65,082	1.8	12,333	12,649	2.6	56,766	57,384	1.1
ENGINEERING	26,037	26,647	2.3	7,024	7,187	2.3	7,743	7,930	2.4	2,843	2,938	3.3	8,427	8,592	2.0
AERONAUTICAL	820	829	1.1	371	422	13.7	256	219	-14.5	62	68	9.7	131	120	-8.4
AGRICULTURAL	685	725	5.8	95	137	44.2	271	261	-3.7	183	184	.5	136	143	5.1
BIOMEDICAL	373	400	7.2	115	90	-21.7	99	106	7.1	10	12	20.0	149	192	28.9
CHEMICAL	2,496	2,710	8.6	749	839	12.0	809	876	8.3	439	450	2.5	499	545	9.2
CIVIL	4,623	4,805	3.9	1,230	1,115	-9.3	1,353	1,476	9.1	540	531	-1.7	1,500	1,683	12.2
ELECTRICAL	5,447	5,632	3.4	1,452	1,546	6.5	1,727	1,653	-4.3	433	496	14.5	1,835	1,937	5.6
ENGINEERING SCIENCE	1,333	1,166	-12.5	510	454	-11.0	419	362	-13.6	108	104	-3.7	296	246	-16.9
INDUSTRIAL	2,449	2,413	-1.5	379	435	14.8	730	744	1.9	181	168	-7.2	1,159	1,066	-8.0
MECHANICAL	3,041	3,077	1.2	867	832	-4.0	950	1,030	8.4	288	306	6.3	936	909	-2.9
METALLURGICAL/MATERIALS	1,194	1,228	2.8	583	571	-2.1	245	263	7.3	216	210	-2.8	150	184	22.7
MINING	336	380	13.1	158	187	18.4	43	50	16.3	71	58	-18.3	64	85	32.8
NUCLEAR	966	911	-5.7	265	243	-8.3	312	331	6.1	136	140	2.9	253	197	-22.1
PETROLEUM	284	284	.0	84	86	2.4	53	65	22.6	92	99	7.6	55	34	-38.2
ENGINEERING, NEC.	1,990	2,087	4.9	166	230	38.6	476	494	3.8	84	112	33.3	1,264	1,251	-1.0
PHYSICAL SCIENCES	15,701	15,826	.8	4,147	4,252	2.5	9,165	9,294	1.4	864	901	4.3	1,525	1,379	-9.6
ASTRONOMY	342	322	-5.8	118	103	-12.7	163	166	1.8	14	19	35.7	47	34	-27.7
CHEMISTRY	9,312	9,514	2.2	2,182	2,276	4.3	5,806	5,924	2.0	557	647	16.2	767	667	-13.0
PHYSICS	6,020	5,946	-1.2	1,847	1,872	1.4	3,191	3,193	.1	292	235	-19.5	690	646	-6.4
PHYSICAL SCIENCES, NEC.	27	44	63.0	0	1	**	5	11	120.0	1	0	-100.0	21	32	52.4
ENVIRONMENTAL SCIENCES	7,445	7,811	4.9	2,156	2,335	8.3	2,872	2,949	2.7	553	540	-2.4	1,864	1,987	6.6
ATMOSPHERIC SCIENCES ...	824	833	1.1	528	553	4.7	152	139	-8.6	42	28	-33.3	102	113	10.8
GEOSCIENCES	4,873	5,051	3.7	911	1,055	15.8	2,235	2,196	-1.7	378	420	11.1	1,349	1,380	2.3
OCEANOGRAPHY	1,367	1,435	5.0	633	649	2.5	332	398	19.9	110	77	-30.0	292	311	6.5
ENVIRONMENTAL SCIENCES, NEC.	381	492	29.1	84	78	-7.1	153	216	41.2	23	15	-34.8	121	183	51.2
MATHEMATICAL SCIENCES	11,658	11,124	-4.6	766	778	1.6	6,825	6,585	-3.5	444	398	-10.4	3,623	3,363	-7.2
COMPUTER SCIENCE	3,702	3,588	-3.1	506	500	-1.2	1,285	1,287	.2	160	152	-5.0	1,751	1,649	-5.8
MATHEMATICS AND APPLIED MATHEMATICS ..	6,690	6,247	-6.6	131	141	7.6	4,828	4,586	-5.0	179	144	-19.6	1,552	1,376	-11.3
STATISTICS	1,266	1,289	1.8	129	137	6.2	712	712	.0	105	102	-2.9	320	338	5.6
LIFE SCIENCES	52,925	54,727	3.4	13,782	14,394	4.4	18,392	18,945	3.0	4,597	4,645	1.0	16,154	16,743	3.6
AGRICULTURAL SCIENCES	10,585	10,732	1.4	1,901	1,932	1.6	3,407	3,501	2.8	1,863	1,943	4.3	3,414	3,356	-1.7
BIOLOGICAL SCIENCES	28,548	28,915	1.3	6,646	6,882	3.6	12,393	12,634	1.9	1,936	1,904	-1.7	7,573	7,495	-1.0
ANATOMY	700	695	-.7	127	129	1.6	341	377	10.6	24	28	16.7	208	161	-22.6
BIOCHEMISTRY	2,456	2,519	2.6	1,076	1,148	6.7	918	938	2.2	183	172	-6.0	279	261	-6.5
BIOLOGY	7,726	7,731	.1	962	997	3.6	3,664	3,713	1.3	330	361	9.4	2,770	2,660	-4.0
BIOMETRY/EPIDEMIOLOGY ..	376	479	27.4	199	244	22.6	73	97	32.9	35	17	-51.4	69	121	75.4
BIOPHYSICS	348	315	-9.5	148	145	-2.0	101	88	-12.9	18	20	11.1	81	62	-23.5
BOTANY	2,483	2,571	3.5	367	411	12.0	1,371	1,356	-1.1	241	239	-.8	504	565	12.1
CELL BIOLOGY	338	381	12.7	148	216	45.9	144	130	-9.7	12	14	16.7	34	21	-38.2
ECOLOGY	644	776	20.5	126	143	13.5	338	335	-.9	36	42	16.7	144	256	77.8
ENTOMOLOGY/PARASITOLOGY	1,340	1,311	-2.2	298	284	-4.7	520	519	-.2	197	204	3.6	325	304	-6.5
GENETICS	611	693	13.4	238	270	13.4	191	210	9.9	53	74	39.6	129	139	7.8
MICROBIOLOGY	2,828	2,816	-.4	821	768	-6.5	1,227	1,310	6.8	172	138	-19.8	608	600	-1.3
NUTRITION	1,996	2,232	11.8	425	447	5.2	590	716	21.4	268	240	-10.4	713	829	16.3
PATHOLOGY	592	610	3.0	183	184	.5	167	180	7.8	54	52	-3.7	188	194	3.2
PHARMACOLOGY	1,072	1,077	.5	464	432	-6.9	360	362	.6	52	83	59.6	196	200	2.0
PHYSIOLOGY	1,485	1,447	-2.6	445	484	8.8	620	579	-6.6	74	87	17.6	346	297	-14.2
ZOOLOGY	2,742	2,502	-8.8	420	370	-11.9	1,488	1,452	-2.4	142	108	-23.9	692	572	-17.3
BIOSCIENCES, NEC.	811	760	-6.3	199	210	5.5	280	272	-2.9	45	25	-44.4	287	253	-11.8
HEALTH SCIENCES	13,792	15,080	9.3	5,235	5,580	6.6	2,592	2,810	8.4	798	798	.0	5,167	5,892	14.0
ANESTHESIOLOGY	5	2	-60.0	2	0	-100.0	3	1	-66.7	0	1	**	0	0	**
CARDIOLOGY	14	2	-85.7	2	1	-50.0	8	1	-87.5	4	0	-100.0	0	0	**
CLINICAL PHARMACOLOGY ..	24	5	-79.2	19	4	-78.9	0	0	**	5	1	-80.0	0	0	**
DENTISTRY	698	752	7.7	117	109	-6.8	280	326	16.4	80	50	-37.5	221	267	20.8
ENDOCRINOLOGY	32	35	9.4	11	13	18.2	14	7	-50.0	0	2	**	7	13	85.7
GASTROENTEROLOGY	8	8	.0	6	6	.0	2	1	-50.0	0	1	**	0	0	**
HEMATOLOGY	3	1	-66.7	0	0	**	1	1	.0	0	0	**	2	0	-100.0
NEUROLOGY	161	185	14.9	99	97	-2.0	32	49	53.1	13	22	69.2	17	17	.0
NURSING	3,108	3,905	25.6	2,166	2,544	17.5	177	180	1.7	48	75	56.3	717	1,106	54.3
OBSTETRICS/GYNECOLOGY ..	37	17	-54.1	17	13	-23.5	9	1	-88.9	7	1	-85.7	4	2	-50.0
OPHTHALMOLOGY	3	7	133.3	2	5	150.0	1	1	.0	0	1	**	0	0	**
OTORHINOLARYNGOLOGY	48	31	-35.4	22	9	-59.1	20	20	.0	4	2	-50.0	2	0	-100.0
PEDIATRICS	104	67	-35.6	54	30	-44.4	18	8	-55.6	7	6	-14.3	25	23	-8.0
PHARMACEUTICAL SCIENCES	1,284	1,383	7.7	318	348	9.4	631	640	1.4	144	139	-3.5	191	256	34.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,466	2,306	-6.5	1,101	996	-9.5	290	284	-2.1	176	142	-19.3	899	884	-1.7
PSYCHIATRY	149	105	-29.5	51	36	-29.4	55	47	-14.5	14	5	-64.3	29	17	-41.4
PULMONARY DISEASE	2	5	150.0	2	1	-50.0	0	3	**	0	0	**	0	1	**
RADIOLOGY	185	209	13.0	71	81	14.1	51	39	-23.5	14	19	35.7	49	70	42.9
SPEECH PATH/AUDIOLOGY ..	3,233	3,598	11.3	649	733	12.9	572	690	20.6	43	100	132.6	1,969	2,075	5.4
SURGERY	76	61	-19.7	13	6	-53.8	60	50	-16.7	3	3	.0	0	2	**
VETERINARY SCIENCES	508	571	12.4	104	119	14.4	186	226	21.5	92	109	18.5	126	117	-7.1
CLINICAL MEDICINE, NEC.	370	471	27.3	68	100	47.1	98	116	18.4	33	44	33.3	171	211	23.4
HEALTH RELATED, NEC. ...	1,274	1,354	6.3	341	329	-3.5	84	119	41.7	111	75	-32.4	738	831	12.6
PSYCHOLOGY	16,832	16,705	-.8	2,979	2,927	-1.7	6,084	6,188	1.7	1,002	1,054	5.2	6,767	6,536	-3.4
SOCIAL SCIENCES	37,862	38,720	2.3	4,568	4,572	.1	12,858	13,191	2.6	2,030	2,173	7.0	18,406	18,784	2.1
AGRICULTURAL ECONOMICS .	1,947	1,982	1.8	416	492	18.3	751	711	-5.3	252	334	32.5	528	445	-15.7
ANTHROPOLOGY	3,727	3,777	1.3	379	363	-4.2	1,173	1,191	1.5	126	140	11.1	2,049	2,083	1.7
ECONOMICS (EXCEPT AGRICULTURAL)	5,111	5,124	.3	322	337	4.7	2,523	2,495	-1.1	374	391	4.5	1,892	1,901	.5
GEOGRAPHY	2,197	2,048	-6.8	166	140	-15.7	991	1,053	6.3	154	136	-11.7	886	719	-18.8
HISTORY AND PHILOSOPHY OF SCIENCE	135	135	.0	6	3	-50.0	75	66	-12.0	6	10	66.7	48	56	16.7
LINGUISTICS	2,782	2,602	-6.5	239	238	-.4	1,059	1,132	6.9	103	101	-1.9	1,381	1,131	-18.1
POLITICAL SCIENCE	8,020	8,369	4.4	766	759	-.9	2,577	2,526	-2.0	377	386	2.4	4,300	4,698	9.3
SOCIOLOGY	7,067	6,724	-4.9	939	774	-17.6	2,664	2,758	3.5	392	360	-8.2	3,072	2,832	-7.8
SOCIOLOGY/ANTHROPOLOGY .	458	524	14.4	56	34	-39.3	233	242	3.9	64	30	-53.1	105	218	107.6
SOCIAL SCIENCES, NEC. ..	6,418	7,435	15.8	1,279	1,432	12.0	812	1,017	25.2	182	285	56.6	4,145	4,701	13.4

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE A-13. FULL-TIME GRADUATE STUDENTS IN ALL DEPARTMENTS IN PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			FEDERAL SUPPORT			INSTITUTIONAL SUPPORT			OTHER OUTSIDE SUPPORT			SELF-SUPPORT		
	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE
TOTAL, ALL FIELDS	63,557	66,642	4.9	15,148	16,222	7.1	19,224	19,639	2.2	6,056	6,630	9.5	23,129	24,151	4.4
ENGINEERING	11,769	12,123	3.0	3,620	3,667	1.3	2,965	2,935	-1.0	2,183	2,434	11.5	3,001	3,087	2.9
AERONAUTICAL	471	514	9.1	214	251	17.3	121	101	-16.5	86	99	15.1	50	63	26.0
AGRICULTURAL	32	36	12.5	7	11	57.1	10	11	10.0	9	6	-33.3	6	8	33.3
BIOMEDICAL	346	323	-6.6	153	123	-19.6	64	76	18.8	13	13	.0	116	111	-4.3
CHEMICAL	1,215	1,257	3.5	352	340	-3.4	357	366	2.5	300	322	7.3	206	229	11.2
CIVIL	1,626	1,687	3.8	423	426	.7	422	460	9.0	248	292	17.7	533	509	-4.5
ELECTRICAL	2,641	2,815	6.6	780	849	8.8	709	671	-5.4	481	582	21.0	671	713	6.3
ENGINEERING SCIENCE	382	403	5.5	161	99	-38.5	135	200	48.1	32	37	15.6	54	67	24.1
INDUSTRIAL	1,937	1,811	-6.5	433	400	-7.6	365	309	-15.3	396	370	-6.6	743	732	-1.5
MECHANICAL	1,339	1,413	5.5	419	419	.0	408	357	-12.5	176	268	52.3	336	369	9.8
METALLURGICAL/MATERIALS	704	737	4.7	380	409	7.6	122	107	-12.3	154	173	12.3	48	48	.0
MINING	88	81	-8.0	42	42	.0	24	18	-25.0	17	15	-11.8	5	6	20.0
NUCLEAR	267	259	-3.0	94	83	-11.7	55	58	5.5	90	83	-7.8	28	35	25.0
PETROLEUM	129	118	-8.5	14	33	135.7	12	14	16.7	91	64	-29.7	12	7	-41.7
ENGINEERING, NEC.	592	669	13.0	148	182	23.0	161	187	16.1	90	110	22.2	193	190	-1.6
PHYSICAL SCIENCES	6,589	6,704	1.7	2,324	2,397	3.1	3,412	3,348	-1.9	485	501	3.3	368	458	24.5
ASTRONOMY	183	178	-2.7	93	85	-8.6	60	60	.0	18	20	11.1	12	13	8.3
CHEMISTRY	3,405	3,513	3.2	1,023	1,064	4.0	1,975	1,961	-.7	250	239	-4.4	157	249	58.6
PHYSICS	3,001	3,008	.2	1,208	1,248	3.3	1,377	1,324	-3.8	217	241	11.1	199	195	-2.0
PHYSICAL SCIENCES, NEC.	0	5	**	0	0	**	0	3	**	0	1	**	0	1	**
ENVIRONMENTAL SCIENCES	1,819	1,814	-.3	721	692	-4.0	540	569	5.4	173	185	6.9	385	368	-4.4
ATMOSPHERIC SCIENCES ...	64	60	-6.3	50	46	-8.0	3	4	33.3	10	9	-10.0	1	1	.0
GEOSCIENCES	1,347	1,338	-.7	511	509	-.4	454	479	5.5	124	135	8.9	258	215	-16.7
OCEANOGRAPHY	374	354	-5.3	157	135	-14.0	66	68	3.0	38	35	-7.9	113	116	2.7
ENVIRONMENTAL SCIENCES, NEC.	34	62	82.4	3	2	-33.3	17	18	5.9	1	6	500.0	13	36	176.9
MATHEMATICAL SCIENCES	3,390	3,320	-2.1	539	506	-6.1	1,706	1,654	-3.0	338	359	6.2	807	801	-.7
COMPUTER SCIENCE	966	944	-2.3	190	202	6.3	274	235	-14.2	119	97	-18.5	383	410	7.0
MATHEMATICS AND APPLIED MATHEMATICS ..	2,160	2,131	-1.3	296	253	-14.5	1,331	1,319	-.9	169	206	21.9	364	353	-3.0
STATISTICS	264	245	-7.2	53	51	-3.8	101	100	-1.0	50	56	12.0	60	38	-36.7
LIFE SCIENCES	13,496	14,517	7.6	4,659	5,172	11.0	3,751	4,013	7.0	870	1,006	15.6	4,216	4,326	2.6
AGRICULTURAL SCIENCES	377	378	.3	86	76	-11.6	131	144	9.9	75	60	-20.0	85	98	15.3
BIOLOGICAL SCIENCES	9,205	9,332	1.4	3,344	3,329	-.4	3,126	3,301	5.6	563	599	6.4	2,172	2,103	-3.2
ANATOMY	338	348	3.0	135	126	-6.7	120	140	16.7	13	15	15.4	70	67	-4.3
BIOCHEMISTRY	1,028	1,049	2.0	554	569	2.7	276	286	3.6	85	68	-20.0	113	126	11.5
BIOLOGY	3,303	3,171	-4.0	748	758	1.3	1,540	1,530	-.6	129	123	-4.7	886	760	-14.2
BIOMETRY/EPIDEMIOLOGY ..	158	198	25.3	48	36	-25.0	36	62	72.2	21	30	42.9	53	70	32.1
BIOPHYSICS	319	308	-3.4	235	214	-8.9	67	73	9.0	8	18	125.0	9	3	-66.7
BOTANY	172	182	5.8	29	36	24.1	101	102	1.0	20	17	-15.0	22	27	22.7
CELL BIOLOGY	197	203	3.0	103	120	16.5	67	69	3.0	13	7	-46.2	14	7	-50.0
ECOLOGY	84	84	.0	22	21	-4.5	45	42	-6.7	8	14	75.0	9	7	-22.2
ENTOMOLOGY/PARASITOLOGY	63	57	-9.5	17	14	-17.6	18	27	50.0	14	10	-28.6	14	6	-57.1
GENETICS	189	250	32.3	92	144	56.5	26	26	.0	19	29	52.6	52	51	-1.9
MICROBIOLOGY	852	906	6.3	440	435	-1.1	224	246	9.8	29	41	41.4	159	184	15.7
NUTRITION	547	618	13.0	156	164	5.1	125	172	37.6	99	128	29.3	167	154	-7.8
PATHOLOGY	335	338	.9	168	121	-28.0	69	92	33.3	39	32	-17.9	59	93	57.6
PHARMACOLOGY	504	564	11.9	281	295	5.0	121	129	6.6	21	36	71.4	81	104	28.4
PHYSIOLOGY	561	554	-1.2	213	202	-5.2	156	162	3.8	30	22	-26.7	162	168	3.7
ZOOLOGY	183	166	-9.3	25	26	4.0	95	101	6.3	11	5	-54.5	52	34	-34.6
BIOSCIENCES, NEC.	372	336	-9.7	78	48	-38.5	40	42	5.0	4	4	.0	250	242	-3.2
HEALTH SCIENCES	3,914	4,807	22.8	1,229	1,767	43.8	494	568	15.0	232	347	49.6	1,959	2,125	8.5
ANESTHESIOLOGY	0	1	**	0	0	**	0	1	**	0	0	**	0	0	**
CARDIOLOGY	0	1	**	0	1	**	0	0	**	0	0	**	0	0	**
CLINICAL PHARMACOLOGY ..	0	11	**	0	0	**	0	3	**	0	5	**	0	3	**
DENTISTRY	345	468	35.7	22	26	18.2	62	42	-32.3	39	97	148.7	222	303	36.5
ENDOCRINOLOGY	1	0	-100.0	1	0	-100.0	0	0	**	0	0	**	0	0	**
GASTROENTEROLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
HEMATOLOGY	0	6	**	0	0	**	0	4	**	0	0	**	0	2	**
NEUROLOGY	166	151	-9.0	108	70	-35.2	40	55	37.5	7	14	100.0	11	12	9.1
NURSING	867	1,490	71.9	527	1,034	96.2	13	53	307.7	16	72	350.0	311	331	6.4
OBSTETRICS/GYNECOLOGY ..	15	14	-6.7	6	4	-33.3	5	10	100.0	3	0	-100.0	1	0	-100.0
OPHTHALMOLOGY	9	4	-55.6	4	1	-75.0	3	1	-66.7	0	0	**	2	2	.0
OTORHINOLARYNGOLOGY	16	25	56.3	4	5	25.0	5	3	-40.0	1	2	100.0	6	15	150.0
PEDIATRICS	39	34	-12.8	21	17	-19.0	6	8	33.3	6	5	-16.7	6	4	-33.3
PHARMACEUTICAL SCIENCES	138	188	36.2	11	6	-45.5	90	103	14.4	12	6	-50.0	25	73	192.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	744	750	.8	227	239	5.3	36	40	11.1	35	43	22.9	446	428	-4.0
PSYCHIATRY	88	68	-22.7	22	23	4.5	15	11	-26.7	11	4	-63.6	40	30	-25.0
PULMONARY DISEASE	0	12	**	0	10	**	0	0	**	0	2	**	0	0	**
RADIOLOGY	14	12	-14.3	11	2	-81.8	3	2	-33.3	0	1	**	0	7	**
SPEECH PATH/AUDIOLOGY ..	588	571	-2.9	132	130	-1.5	103	70	-32.0	21	19	-9.5	332	352	6.0
SURGERY	33	25	-24.2	17	12	-29.4	9	13	44.4	6	0	-100.0	1	0	-100.0
VETERINARY SCIENCES	73	75	2.7	11	6	-45.5	32	40	25.0	5	9	80.0	25	20	-20.0
CLINICAL MEDICINE, NEC.	205	284	38.5	27	76	181.5	26	55	111.5	23	31	34.8	129	122	-5.4
HEALTH RELATED, NEC. ...	573	617	7.7	78	105	34.6	46	54	17.4	47	37	-21.3	402	421	4.7
PSYCHOLOGY	8,916	9,178	2.9	1,331	1,351	1.5	1,980	2,205	11.4	350	434	24.0	5,255	5,188	-1.3
SOCIAL SCIENCES	17,578	18,986	8.0	1,954	2,437	24.7	4,870	4,915	.9	1,657	1,711	3.3	9,097	9,923	9.1
AGRICULTURAL ECONOMICS .	80	79	-1.2	19	19	.0	35	37	5.7	11	11	.0	15	12	-20.0
ANTHROPOLOGY	1,292	1,349	4.4	221	201	-9.0	442	402	-9.0	96	106	10.4	533	640	20.1
ECONOMICS (EXCEPT AGRICULTURAL)	2,756	3,079	11.7	225	261	16.0	1,068	1,185	11.0	608	596	-2.0	855	1,037	21.3
GEOGRAPHY	250	227	-9.2	26	30	15.4	118	117	-.8	26	23	-11.5	80	57	-28.7
HISTORY AND PHILOSOPHY OF SCIENCE	135	122	-9.6	12	11	-8.3	69	69	.0	16	13	-18.8	38	29	-23.7
LINGUISTICS	1,054	835	-20.8	92	83	-9.8	354	363	2.5	39	52	33.3	569	337	-40.8
POLITICAL SCIENCE	5,584	6,066	8.6	352	721	104.8	1,333	1,370	2.8	542	497	-8.3	3,357	3,478	3.6
SOCIOLOGY	2,750	2,596	-5.6	389	314	-19.3	857	825	-3.7	225	252	12.0	1,279	1,205	-5.8
SOCIOLOGY/ANTHROPOLOGY .	281	280	-.4	41	56	36.6	124	122	-1.6	11	12	9.1	105	90	-14.3
SOCIAL SCIENCES, NEC. ..	3,396	4,353	28.2	577	741	28.4	470	425	-9.6	83	149	79.5	2,266	3,038	34.1

TABLE A-14. FULL-TIME GRADUATE STUDENTS IN ALL DEPARTMENTS, BY FIELD OF SCIENCE AND SEX: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			MEN			WOMEN		
	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE
TOTAL, ALL FIELDS	232,017	238,202	2.7	167,044	166,286	-0.5	64,973	71,916	10.7
ENGINEERING	37,806	38,770	2.5	35,597	36,102	1.4	2,209	2,668	20.8
AERONAUTICAL	1,291	1,343	4.0	1,269	1,312	3.4	22	31	40.9
AGRICULTURAL	717	761	6.1	688	717	4.2	29	44	51.7
BIOMEDICAL	719	723	.6	664	646	-2.7	55	77	40.0
CHEMICAL	3,711	3,967	6.9	3,420	3,606	5.4	291	361	24.1
CIVIL	6,249	6,492	3.9	5,901	6,054	2.6	348	438	25.9
ELECTRICAL	8,088	8,447	4.4	7,789	8,071	3.6	299	376	25.8
ENGINEERING SCIENCE	1,715	1,569	-8.5	1,617	1,484	-8.2	98	85	-13.3
INDUSTRIAL	4,386	4,224	-3.7	3,916	3,710	-5.3	470	514	9.4
MECHANICAL	4,380	4,490	2.5	4,276	4,373	2.3	104	117	12.5
METALLURGICAL/MATERIALS	1,898	1,965	3.5	1,787	1,820	1.8	111	145	30.6
MINING	424	461	8.7	406	433	6.7	18	28	55.6
NUCLEAR	1,233	1,170	-5.1	1,184	1,124	-5.1	49	46	-6.1
PETROLEUM	413	402	-2.7	402	389	-3.2	11	13	18.2
ENGINEERING, NEC.	2,582	2,756	6.7	2,278	2,363	3.7	304	393	29.3
PHYSICAL SCIENCES	22,290	22,530	1.1	19,258	19,328	.4	3,032	3,202	5.6
ASTRONOMY	525	500	-4.8	471	440	-6.6	54	60	11.1
CHEMISTRY	12,717	13,027	2.4	10,426	10,614	1.8	2,291	2,413	5.3
PHYSICS	9,021	8,954	-.7	8,340	8,239	-1.2	681	715	5.0
PHYSICAL SCIENCES, NEC.	27	49	81.5	21	35	66.7	6	14	133.3
ENVIRONMENTAL SCIENCES	9,264	9,625	3.9	7,831	8,039	2.7	1,433	1,586	10.7
ATMOSPHERIC SCIENCES	888	893	.6	812	816	.5	76	77	1.3
GEOSCIENCES	6,220	6,389	2.7	5,220	5,334	2.2	1,000	1,055	5.5
OCEANOGRAPHY	1,741	1,789	2.8	1,471	1,478	.5	270	311	15.2
ENVIRONMENTAL SCIENCES, NEC.	415	554	33.5	328	411	25.3	87	143	64.4
MATHEMATICAL SCIENCES	15,048	14,444	-4.0	11,866	11,409	-3.9	3,182	3,035	-4.6
COMPUTER SCIENCE	4,668	4,532	-2.9	3,932	3,784	-3.8	736	748	1.6
MATHEMATICS AND APPLIED MATHEMATICS	8,850	8,378	-5.3	6,764	6,451	-4.6	2,086	1,927	-7.6
STATISTICS	1,530	1,534	.3	1,170	1,174	.3	360	360	.0
LIFE SCIENCES	66,421	69,244	4.3	42,370	42,092	-.7	24,051	27,152	12.9
AGRICULTURAL SCIENCES	10,962	11,110	1.4	9,160	9,025	-1.5	1,802	2,085	15.7
BIOLOGICAL SCIENCES	37,753	38,247	1.3	25,907	25,528	-1.5	11,846	12,719	7.4
ANATOMY	1,038	1,043	.5	712	697	-2.1	326	346	6.1
BIOCHEMISTRY	3,484	3,568	2.4	2,552	2,559	.3	932	1,009	8.3
BIOLOGY	11,029	10,902	-1.2	7,550	7,293	-3.4	3,479	3,609	3.7
BIOMETRY/EPIDEMIOLOGY	534	677	26.8	320	423	32.2	214	254	18.7
BIOPHYSICS	667	623	-6.6	536	495	-7.6	131	128	-2.3
BOTANY	2,655	2,753	3.7	1,823	1,901	4.3	832	852	2.4
CELL BIOLOGY	535	584	9.2	369	388	5.1	166	196	18.1
ECOLOGY	728	860	18.1	524	633	20.8	204	227	11.3
ENTOMOLOGY/PARASITOLOGY	1,403	1,368	-2.5	1,199	1,134	-5.4	204	234	14.7
GENETICS	800	943	17.9	445	522	17.3	355	421	18.6
MICROBIOLOGY	3,680	3,722	1.1	2,393	2,422	1.2	1,287	1,300	1.0
NUTRITION	2,543	2,850	12.1	1,238	1,213	-2.0	1,305	1,637	25.4
PATHOLOGY	927	948	2.3	620	630	1.6	307	318	3.6
PHARMACOLOGY	1,576	1,641	4.1	1,178	1,203	2.1	398	438	10.1
PHYSIOLOGY	2,046	2,001	-2.2	1,558	1,506	-3.3	488	495	1.4
ZOOLOGY	2,925	2,668	-8.8	2,166	1,876	-13.4	759	792	4.3
BIOSCIENCES, NEC.	1,183	1,096	-7.4	724	633	-12.6	459	463	.9
HEALTH SCIENCES	17,706	19,887	12.3	7,303	7,539	3.2	10,403	12,348	18.7
ANESTHESIOLOGY	5	3	-40.0	3	2	-33.3	2	1	-50.0
CARDIOLOGY	14	3	-78.6	12	2	-83.3	2	1	-50.0
CLINICAL PHARMACOLOGY	24	16	-33.3	21	12	-42.9	3	4	33.3
DENTISTRY	1,043	1,220	17.0	907	1,038	14.4	136	182	33.8
ENDOCRINOLOGY	33	35	6.1	22	23	4.5	11	12	9.1
GASTROENTEROLOGY	8	8	.0	8	8	.0	0	0	**
HEMATOLOGY	3	7	133.3	1	3	200.0	2	4	100.0
NEUROLOGY	327	336	2.8	236	238	.8	91	98	7.7
NURSING	3,975	5,395	35.7	173	252	45.7	3,802	5,143	35.3
OBSTETRICS/GYNECOLOGY	52	31	-40.4	38	21	-44.7	14	10	-28.6
OPHTHALMOLOGY	12	11	-8.3	10	7	-30.0	2	4	100.0
OTORHINOLARYNGOLOGY	64	56	-12.5	54	35	-35.2	10	21	110.0
PEDIATRICS	143	101	-29.4	67	34	-49.3	76	67	-11.8
PHARMACEUTICAL SCIENCES	1,422	1,571	10.5	1,121	1,202	7.2	301	369	22.6
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	3,210	3,056	-4.8	1,665	1,618	-2.8	1,545	1,438	-6.9
PSYCHIATRY	237	173	-27.0	150	110	-26.7	87	63	-27.6
PULMONARY DISEASE	2	17	750.0	2	17	750.0	0	0	**
RADIOLOGY	199	221	11.1	163	181	11.0	36	40	11.1
SPEECH PATHOLOGY/AUDIOLOGY	3,821	4,169	9.1	790	760	-3.8	3,031	3,409	12.5
SURGERY	109	86	-21.1	94	71	-24.5	15	15	.0
VETERINARY SCIENCES	581	646	11.2	443	486	9.7	138	160	15.9
CLINICAL MEDICINE, NEC.	575	755	31.3	343	408	19.0	232	347	49.6
HEALTH RELATED, NEC.	1,847	1,971	6.7	980	1,011	3.2	867	960	10.7
PSYCHOLOGY	25,748	25,883	.5	14,440	13,857	-4.0	11,308	12,026	6.3
SOCIAL SCIENCES	55,440	57,706	4.1	35,682	35,459	-.6	19,758	22,247	12.6
AGRICULTURAL ECONOMICS	2,027	2,061	1.7	1,823	1,795	-1.5	204	266	30.4
ANTHROPOLOGY	5,019	5,126	2.1	2,631	2,570	-2.3	2,388	2,556	7.0
ECONOMICS (EXCEPT AGRICULTURAL)	7,867	8,203	4.3	6,546	6,712	2.5	1,321	1,491	12.9
GEOGRAPHY	2,447	2,275	-7.0	1,856	1,661	-10.5	591	614	3.9
HISTORY AND PHILOSOPHY OF SCIENCE	270	257	-4.8	201	183	-9.0	69	74	7.2
LINGUISTICS	3,836	3,437	-10.4	1,681	1,534	-8.7	2,155	1,903	-11.7
POLITICAL SCIENCE	13,604	14,435	6.1	10,154	10,500	3.4	3,450	3,935	14.1
SOCIOLOGY	9,817	9,320	-5.1	5,920	5,434	-8.2	3,897	3,886	-.3
SOCIOLOGY/ANTHROPOLOGY	739	804	8.8	410	468	14.1	329	336	2.1
SOCIAL SCIENCES, NEC.	9,814	11,788	20.1	4,460	4,602	3.2	5,354	7,186	34.2

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE A-15. FULL-TIME GRADUATE STUDENTS IN ALL DEPARTMENTS IN PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND SEX: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			MEN			WOMEN		
	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE
TOTAL, ALL FIELDS	168,460	171,560	1.8	122,046	120,543	-1.2	46,414	51,017	9.9
ENGINEERING	26,037	26,647	2.3	24,572	24,850	1.1	1,465	1,797	22.7
AERONAUTICAL	820	829	1.1	809	815	.7	11	14	27.3
AGRICULTURAL	685	725	5.8	657	682	3.8	28	43	53.6
BIOMEDICAL	373	400	7.2	339	354	4.4	34	46	35.3
CHEMICAL	2,496	2,710	8.6	2,293	2,454	7.0	203	256	26.1
CIVIL	4,623	4,805	3.9	4,385	4,500	2.6	238	305	28.2
ELECTRICAL	5,447	5,632	3.4	5,267	5,402	2.6	180	230	27.8
ENGINEERING SCIENCE	1,333	1,166	-12.5	1,268	1,120	-11.7	65	46	-29.2
INDUSTRIAL	2,449	2,413	-1.5	2,176	2,128	-2.2	273	285	4.4
MECHANICAL	3,041	3,077	1.2	2,982	2,999	.6	59	78	32.2
METALLURGICAL/MATERIALS	1,194	1,228	2.8	1,122	1,130	.7	72	98	36.1
MINING	336	380	13.1	330	361	9.4	6	19	216.7
NUCLEAR	966	911	-5.7	929	871	-6.2	37	40	8.1
PETROLEUM	284	284	.0	275	275	.0	9	9	.0
ENGINEERING, NEC.	1,990	2,087	4.9	1,740	1,759	1.1	250	328	31.2
PHYSICAL SCIENCES	15,701	15,826	.8	13,634	13,618	-.1	2,067	2,208	6.8
ASTRONOMY	342	322	-5.8	306	283	-7.5	36	39	8.3
CHEMISTRY	9,312	9,514	2.2	7,753	7,837	1.1	1,559	1,677	7.6
PHYSICS	6,020	5,946	-1.2	5,554	5,467	-1.6	466	479	2.8
PHYSICAL SCIENCES, NEC.	27	44	63.0	21	31	47.6	6	13	116.7
ENVIRONMENTAL SCIENCES	7,445	7,811	4.9	6,279	6,508	3.6	1,166	1,303	11.7
ATMOSPHERIC SCIENCES	824	833	1.1	753	761	1.1	71	72	1.4
GEOSCIENCES	4,873	5,051	3.7	4,097	4,227	3.2	776	824	6.2
OCEANOGRAPHY	1,367	1,435	5.0	1,132	1,163	2.7	235	272	15.7
ENVIRONMENTAL SCIENCES, NEC.	381	492	29.1	297	357	20.2	84	135	60.7
MATHEMATICAL SCIENCES	11,658	11,124	-4.6	9,108	8,731	-4.1	2,550	2,393	-6.2
COMPUTER SCIENCE	3,702	3,588	-3.1	3,094	2,968	-4.1	608	620	2.0
MATHEMATICS AND APPLIED MATHEMATICS	6,690	6,247	-6.6	5,045	4,772	-5.4	1,645	1,475	-10.3
STATISTICS	1,266	1,289	1.8	969	991	2.3	297	298	.3
LIFE SCIENCES	52,925	54,727	3.4	34,479	34,024	-1.3	18,446	20,703	12.2
AGRICULTURAL SCIENCES	10,585	10,732	1.4	8,856	8,724	-1.5	1,729	2,008	16.1
BIOLOGICAL SCIENCES	28,548	28,915	1.3	19,921	19,543	-1.9	8,627	9,372	8.6
ANATOMY	700	695	-.7	497	477	-4.0	203	218	7.4
BIOCHEMISTRY	2,456	2,519	2.6	1,797	1,834	2.1	659	685	3.9
BIOLOGY	7,726	7,731	[illegible]	5,454	5,257	-3.6	2,272	2,474	8.9
BIOMETRY/EPIDEMIOLOGY	376	479	27.4	236	316	33.9	140	163	16.4
BIOPHYSICS	348	315	-9.5	285	253	-11.2	63	62	-1.6
BOTANY	2,483	2,571	3.5	1,723	1,789	3.8	760	782	2.9
CELL BIOLOGY	338	381	12.7	226	244	8.0	112	137	22.3
ECOLOGY	644	776	20.5	475	581	22.3	169	195	15.4
ENTOMOLOGY/PARASITOLOGY	1,340	1,311	-2.2	1,149	1,091	-5.0	191	220	15.2
GENETICS	611	693	13.4	374	411	9.9	237	282	19.0
MICROBIOLOGY	2,828	2,816	-.4	1,861	1,849	-.6	967	967	.0
NUTRITION	1,996	2,232	11.8	954	914	-4.2	1,042	1,318	26.5
PATHOLOGY	592	610	3.0	406	409	.7	186	201	8.1
PHARMACOLOGY	1,072	1,077	.5	815	814	-.1	257	263	2.3
PHYSIOLOGY	1,485	1,447	-2.6	1,130	1,087	-3.8	355	360	1.4
ZOOLOGY	2,742	2,502	-8.8	2,036	1,765	-13.3	706	737	4.4
BIOSCIENCES, NEC.	811	760	-6.3	503	452	-10.1	308	308	.0
HEALTH SCIENCES	13,792	15,080	9.3	5,702	5,757	1.0	8,090	9,323	15.2
ANESTHESIOLOGY	5	2	-60.0	3	1	-66.7	2	1	-50.0
CARDIOLOGY	14	2	-85.7	12	2	-83.3	2	0	-100.0
CLINICAL PHARMACOLOGY	24	5	-79.2	21	4	-81.0	3	1	-66.7
DENTISTRY	698	752	7.7	616	641	4.1	82	111	35.4
ENDOCRINOLOGY	32	35	9.4	21	23	9.5	11	12	9.1
GASTROENTEROLOGY	8	8	.0	8	8	.0	0	0	**
HEMATOLOGY	3	1	-66.7	1	0	-100.0	2	1	-50.0
NEUROLOGY	161	185	14.9	118	127	7.6	43	58	34.9
NURSING	3,108	3,905	25.6	145	199	37.2	2,963	3,706	25.1
OBSTETRICS/GYNECOLOGY	37	17	-54.1	25	8	-68.0	12	9	-25.0
OPHTHALMOLOGY	3	7	133.3	3	3	.0	0	4	**
OTORHINOLARYNGOLOGY	48	31	-35.4	47	26	-44.7	1	5	400.0
PEDIATRICS	104	67	-35.6	44	27	-38.6	60	40	-33.3
PHARMACEUTICAL SCIENCES	1,284	1,383	7.7	1,009	1,062	5.3	275	321	16.7
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,466	2,306	-6.5	1,344	1,285	-4.4	1,122	1,021	-9.0
PSYCHIATRY	149	105	-29.5	97	69	-28.9	52	36	-30.8
PULMONARY DISEASE	2	5	150.0	2	5	150.0	0	0	**
RADIOLOGY	185	209	13.0	154	170	10.4	31	39	25.8
SPEECH PATHOLOGY/AUDIOLOGY	3,233	3,598	11.3	711	684	-3.8	2,522	2,914	15.5
SURGERY	76	61	-19.7	62	50	-19.4	14	11	-21.4
VETERINARY SCIENCES	508	571	12.4	387	425	9.8	121	146	20.7
CLINICAL MEDICINE, NEC.	370	471	27.3	228	282	23.7	142	189	33.1
HEALTH RELATED, NEC.	1,274	1,354	6.3	644	656	1.9	630	698	10.8
PSYCHOLOGY	16,832	16,705	-.8	9,652	9,052	-6.2	7,180	7,653	6.6
SOCIAL SCIENCES	37,862	38,720	2.3	24,322	23,760	-2.3	13,540	14,960	10.5
AGRICULTURAL ECONOMICS	1,947	1,982	1.8	1,753	1,729	-1.4	194	253	30.4
ANTHROPOLOGY	3,727	3,777	1.3	1,971	1,954	-.9	1,756	1,823	3.8
ECONOMICS (EXCEPT AGRICULTURAL)	5,111	5,124	.3	4,268	4,221	-1.1	843	903	7.1
GEOGRAPHY	2,197	2,048	-6.8	1,675	1,507	-10.0	522	541	3.6
HISTORY AND PHILOSOPHY OF SCIENCE	135	135	.0	97	99	2.1	38	36	-5.3
LINGUISTICS	2,782	2,602	-6.5	1,199	1,113	-7.2	1,583	1,489	-5.9
POLITICAL SCIENCE	8,020	8,369	4.4	5,968	6,077	1.8	2,052	2,292	11.7
SOCIOLOGY	7,067	6,724	-4.9	4,338	3,996	-7.9	2,729	2,728	.0
SOCIOLOGY/ANTHROPOLOGY	458	524	14.4	249	302	21.3	209	222	6.2
SOCIAL SCIENCES, NEC.	6,418	7,435	15.8	2,804	2,762	-1.5	3,614	4,673	29.3

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE A-16. FULL-TIME GRADUATE STUDENTS IN ALL DEPARTMENTS IN PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND SEX: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			MEN			WOMEN		
	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE
TOTAL, ALL FIELDS	63,557	66,642	4.9	44,998	45,743	1.7	18,559	20,899	12.6
ENGINEERING	11,769	12,123	3.0	11,025	11,252	2.1	744	871	17.1
AERONAUTICAL	471	514	9.1	460	497	8.0	11	17	54.5
AGRICULTURAL	32	36	12.5	31	35	12.9	1	1	.0
BIOMEDICAL	346	323	-6.6	325	292	-10.2	21	31	47.6
CHEMICAL	1,215	1,257	3.5	1,127	1,152	2.2	88	105	19.3
CIVIL	1,626	1,687	3.8	1,516	1,554	2.5	110	133	20.9
ELECTRICAL	2,641	2,815	6.6	2,522	2,669	5.8	119	146	22.7
ENGINEERING SCIENCE	382	403	5.5	349	364	4.3	33	39	18.2
INDUSTRIAL	1,937	1,811	-6.5	1,740	1,582	-9.1	197	229	16.2
MECHANICAL	1,339	1,413	5.5	1,294	1,374	6.2	45	39	-13.3
METALLURGICAL/MATERIALS	704	737	4.7	665	690	3.8	39	47	20.5
MINING	88	81	-8.0	76	72	-5.3	12	9	-25.0
NUCLEAR	267	259	-3.0	255	253	-.8	12	6	-50.0
PETROLEUM	129	118	-8.5	127	114	-10.2	2	4	100.0
ENGINEERING, NEC.	592	669	13.0	538	604	12.3	54	65	20.4
PHYSICAL SCIENCES	6,589	6,704	1.7	5,624	5,710	1.5	965	994	3.0
ASTRONOMY	183	178	-2.7	165	157	-4.8	18	21	16.7
CHEMISTRY	3,405	3,513	3.2	2,673	2,777	3.9	732	736	.5
PHYSICS	3,001	3,008	.2	2,786	2,772	-.5	215	236	9.8
PHYSICAL SCIENCES, NEC.	0	5	**	0	4	**	0	1	**
ENVIRONMENTAL SCIENCES	1,819	1,814	-.3	1,552	1,531	-1.4	267	283	6.0
ATMOSPHERIC SCIENCES	64	60	-6.3	59	55	-6.8	5	5	.0
GEOSCIENCES	1,347	1,338	-.7	1,123	1,107	-1.4	224	231	3.1
OCEANOGRAPHY	374	354	-5.3	339	315	-7.1	35	39	11.4
ENVIRONMENTAL SCIENCES, NEC.	34	62	82.4	31	54	74.2	3	8	166.7
MATHEMATICAL SCIENCES	3,390	3,320	-2.1	2,758	2,678	-2.9	632	642	1.6
COMPUTER SCIENCE	966	944	-2.3	838	816	-2.6	128	128	.0
MATHEMATICS AND APPLIED MATHEMATICS	2,160	2,131	-1.3	1,719	1,679	-2.3	441	452	2.5
STATISTICS	264	245	-7.2	201	183	-9.0	63	62	-1.6
LIFE SCIENCES	13,496	14,517	7.6	7,891	8,068	2.2	5,605	6,449	15.1
AGRICULTURAL SCIENCES	377	378	.3	304	301	-1.0	73	77	5.5
BIOLOGICAL SCIENCES	9,205	9,332	1.4	5,986	5,985	.0	3,219	3,347	4.0
ANATOMY	338	348	3.0	215	220	2.3	123	128	4.1
BIOCHEMISTRY	1,028	1,049	2.0	755	725	-4.0	273	324	18.7
BIOLOGY	3,303	3,171	-4.0	2,096	2,036	-2.9	1,207	1,135	-6.0
BIOMETRY/EPIDEMIOLOGY	158	198	25.3	84	107	27.4	74	91	23.0
BIOPHYSICS	319	308	-3.4	251	242	-3.6	68	66	-2.9
BOTANY	172	182	5.8	100	112	12.0	72	70	-2.8
CELL BIOLOGY	197	203	3.0	143	144	.7	54	59	9.3
ECOLOGY	84	84	.0	49	52	6.1	35	32	-8.6
ENTOMOLOGY/PARASITOLOGY	63	57	-9.5	50	43	-14.0	13	14	7.7
GENETICS	189	250	32.3	71	111	56.3	118	139	17.8
MICROBIOLOGY	852	906	6.3	532	573	7.7	320	333	4.1
NUTRITION	547	618	13.0	284	299	5.3	263	319	21.3
PATHOLOGY	335	338	.9	214	221	3.3	121	117	-3.3
PHARMACOLOGY	504	564	11.9	363	389	7.2	141	175	24.1
PHYSIOLOGY	561	554	-1.2	428	419	-2.1	133	135	1.5
ZOOLOGY	183	166	-9.3	130	111	-14.6	53	55	3.8
BIOSCIENCES, NEC.	372	336	-9.7	221	181	-18.1	151	155	2.6
HEALTH SCIENCES	3,914	4,807	22.8	1,601	1,782	11.3	2,313	3,025	30.8
ANESTHESIOLOGY	0	1	**	0	1	**	0	0	**
CARDIOLOGY	0	1	**	0	0	**	0	1	**
CLINICAL PHARMACOLOGY	0	11	**	0	8	**	0	3	**
DENTISTRY	345	468	35.7	291	397	36.4	54	71	31.5
ENDOCRINOLOGY	1	0	-100.0	1	0	-100.0	0	0	**
GASTROENTEROLOGY	0	0	**	0	0	**	0	0	**
HEMATOLOGY	0	6	**	0	3	**	0	3	**
NEUROLOGY	166	151	-9.0	118	111	-5.9	48	40	-16.7
NURSING	867	1,490	71.9	28	53	89.3	839	1,437	71.3
OBSTETRICS/GYNECOLOGY	15	14	-6.7	13	13	.0	2	1	-50.0
OPHTHALMOLOGY	9	4	-55.6	7	4	-42.9	2	0	-100.0
OTORHINOLARYNGOLOGY	16	25	56.3	7	9	28.6	9	16	77.8
PEDIATRICS	39	34	-12.8	23	7	-69.6	16	27	68.8
PHARMACEUTICAL SCIENCES	138	188	36.2	112	140	25.0	26	48	84.6
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	744	750	.8	321	333	3.7	423	417	-1.4
PSYCHIATRY	88	68	-22.7	53	41	-22.6	35	27	-22.9
PULMONARY DISEASE	0	12	**	0	12	**	0	0	**
RADIOLOGY	14	12	-14.3	9	11	22.2	5	1	-80.0
SPEECH PATHOLOGY/AUDIOLOGY	588	571	-2.9	79	76	-3.8	509	495	-2.8
SURGERY	33	25	-24.2	32	21	-34.4	1	4	300.0
VETERINARY SCIENCES	73	75	2.7	56	61	8.9	17	14	-17.6
CLINICAL MEDICINE, NEC.	205	284	38.5	115	126	9.6	90	158	75.6
HEALTH RELATED, NEC.	573	617	7.7	336	355	5.7	237	262	10.5
PSYCHOLOGY	8,916	9,178	2.9	4,788	4,805	.4	4,128	4,373	5.9
SOCIAL SCIENCES	17,578	18,986	8.0	11,360	11,699	3.0	6,218	7,287	17.2
AGRICULTURAL ECONOMICS	80	79	-1.2	70	66	-5.7	10	13	30.0
ANTHROPOLOGY	1,292	1,349	4.4	660	616	-6.7	632	733	16.0
ECONOMICS (EXCEPT AGRICULTURAL)	2,756	3,079	11.7	2,278	2,491	9.4	478	588	23.0
GEOGRAPHY	250	227	-9.2	181	154	-14.9	69	73	5.8
HISTORY AND PHILOSOPHY OF SCIENCE	135	122	-9.6	104	84	-19.2	31	38	22.6
LINGUISTICS	1,054	835	-20.8	482	421	-12.7	572	414	-27.6
POLITICAL SCIENCE	5,584	6,066	8.6	4,186	4,423	5.7	1,398	1,643	17.5
SOCIOLOGY	2,750	2,596	-5.6	1,582	1,438	-9.1	1,168	1,158	-.9
SOCIOLOGY/ANTHROPOLOGY	281	280	-.4	161	166	3.1	120	114	-5.0
SOCIAL SCIENCES, NEC.	3,396	4,353	28.2	1,656	1,840	11.1	1,740	2,513	44.4

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE A-17. GRADUATE STUDENTS IN ALL DEPARTMENTS, BY DIVISION, STATE, AND ENROLLMENT STATUS: 1975-77

DIVISION AND STATE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
UNITED STATES TOTAL	339699	345998	362978	1.9	4.9	228284	232017	238202	1.6	2.7	111415	113981	124776	2.3	9.5
NEW ENGLAND	24,298	25,118	26,532	3.4	5.6	16,968	18,083	18,097	6.6	.1	7,330	7,035	8,435	-4.0	19.9
CONNECTICUT	4,866	5,090	5,444	4.6	7.0	3,037	3,280	3,171	8.0	-3.3	1,829	1,810	2,273	-1.0	25.6
MAINE	446	512	469	14.8	-8.4	364	389	378	6.9	-2.8	82	123	91	50.0	-26.0
MASSACHUSETTS	15,311	15,925	16,964	4.0	6.5	10,726	11,584	11,663	8.0	.7	4,585	4,341	5,301	-5.3	22.1
NEW HAMPSHIRE	731	743	787	1.6	5.9	587	604	644	2.9	6.6	144	139	143	-3.5	2.9
RHODE ISLAND	1,880	1,767	1,747	-6.0	-1.1	1,332	1,283	1,299	-3.7	1.2	548	484	448	-11.7	-7.4
VERMONT	1,064	1,081	1,121	1.6	3.7	922	943	942	2.3	-.1	142	138	179	-2.8	29.7
MIDDLE ATLANTIC	64,558	62,589	65,586	-3.0	4.8	33,988	33,134	34,308	-2.5	3.5	30,570	29,455	31,278	-3.6	6.2
NEW JERSEY	11,144	10,331	10,444	-7.3	1.1	4,111	3,773	3,782	-8.2	.2	7,033	6,558	6,662	-6.8	1.6
NEW YORK	38,876	36,214	38,858	-6.8	7.3	21,289	20,264	21,089	-4.8	4.1	17,587	15,950	17,769	-9.3	11.4
PENNSYLVANIA	14,538	16,044	16,284	10.4	1.5	8,586	9,097	9,437	5.9	3.7	5,950	6,947	6,847	16.8	-1.4
EAST NORTH CENTRAL	62,168	62,129	63,042	-.1	1.5	46,209	45,788	46,040	-.9	.6	15,959	16,341	17,002	2.4	4.0
ILLINOIS	17,628	17,384	18,137	-1.4	4.3	12,855	12,136	12,317	-5.6	1.5	4,773	5,248	5,820	10.0	10.9
INDIANA	7,354	7,656	7,799	4.1	1.9	5,826	5,895	5,793	1.2	-1.7	1,528	1,761	2,006	15.2	13.9
MICHIGAN	13,333	12,989	13,063	-2.6	.6	10,670	10,414	10,412	-2.4	*	2,663	2,575	2,651	-3.3	3.0
OHIO	14,810	15,466	15,599	4.4	.9	9,907	10,800	11,008	9.0	1.9	4,903	4,666	4,591	-4.8	-1.6
WISCONSIN	9,043	8,634	8,444	-4.5	-2.2	6,951	6,543	6,510	-5.9	-.5	2,092	2,091	1,934	*	-7.5
WEST NORTH CENTRAL	23,089	23,867	24,428	3.4	2.4	17,481	18,134	17,976	3.7	-.9	5,608	5,733	6,452	2.2	12.5
IOWA	3,980	4,331	4,331	8.8	.0	3,175	3,392	3,248	6.8	-4.2	805	939	1,083	16.6	15.3
KANSAS	4,444	4,602	4,927	3.6	7.1	3,175	3,385	3,530	6.6	4.3	1,269	1,217	1,397	-4.1	14.8
MINNESOTA	5,731	5,414	5,267	-5.5	-2.7	4,706	4,509	4,303	-4.2	-4.6	1,025	905	964	-11.7	6.5
MISSOURI	6,163	6,459	6,476	4.8	.3	4,359	4,529	4,479	3.9	-1.1	1,804	1,930	1,997	7.0	3.5
NEBRASKA	1,478	1,739	2,031	17.7	16.8	1,017	1,194	1,333	17.4	11.6	461	545	698	18.2	28.1
NORTH DAKOTA	742	809	836	9.0	3.3	631	701	607	11.1	-13.4	111	108	229	-2.7	112.0
SOUTH DAKOTA	551	513	560	-6.9	9.2	418	424	476	1.4	12.3	133	89	84	-33.1	-5.6
SOUTH ATLANTIC	46,653	48,390	50,366	3.7	4.1	31,265	31,038	31,930	-.7	2.9	15,388	17,352	18,436	12.8	6.2
DELAWARE	908	902	943	-.7	4.5	590	572	653	-3.1	14.2	318	330	290	3.8	-12.1
DISTRICT OF COLUMBIA	7,503	7,746	9,183	3.2	18.6	3,921	3,314	3,901	-15.5	17.7	3,582	4,432	5,282	23.7	19.2
FLORIDA	8,582	9,060	9,030	5.6	-.3	5,839	6,124	5,966	4.9	-2.6	2,743	2,936	3,064	7.0	4.4
GEORGIA	5,539	5,565	5,577	.5	.2	4,079	4,119	4,299	1.0	4.4	1,460	1,446	1,278	-1.0	-11.6
MARYLAND	7,009	7,030	6,942	.3	-1.3	4,172	3,708	3,700	-11.1	-.2	2,837	3,322	3,242	17.1	-2.4
NORTH CAROLINA	6,448	6,495	6,678	.7	2.8	5,272	5,328	5,404	1.1	1.4	1,176	1,167	1,274	-.8	9.2
SOUTH CAROLINA	2,713	2,896	2,976	6.7	2.8	1,921	2,020	2,001	5.2	-.9	792	876	975	10.6	11.3
VIRGINIA	5,786	6,348	6,646	9.7	4.7	4,041	4,342	4,524	7.4	4.2	1,745	2,006	2,122	15.0	5.8
WEST VIRGINIA	2,165	2,348	2,391	8.5	1.8	1,430	1,511	1,482	5.7	-1.9	735	837	909	13.9	8.6
EAST SOUTH CENTRAL	12,859	13,830	14,773	7.6	6.8	9,162	9,678	10,303	5.6	6.5	3,697	4,152	4,470	12.3	7.7
ALABAMA	2,602	3,098	3,531	19.1	14.0	1,790	2,051	2,286	14.6	11.5	812	1,047	1,245	28.9	18.9
KENTUCKY	2,704	2,766	3,102	2.3	12.1	1,964	1,957	2,199	-.4	12.4	740	809	903	9.3	11.6
MISSISSIPPI	1,996	2,173	2,190	8.9	.8	1,551	1,649	1,657	6.3	.5	445	524	533	17.8	1.7
TENNESSEE	5,557	5,793	5,950	4.2	2.7	3,857	4,021	4,161	4.3	3.5	1,700	1,772	1,789	4.2	1.0
WEST SOUTH CENTRAL	26,577	28,338	31,229	6.6	10.2	17,517	18,969	20,145	8.3	6.2	9,060	9,369	11,084	3.4	18.3
ARKANSAS	1,108	1,346	1,391	21.5	3.3	786	893	937	13.6	4.9	322	453	454	40.7	.2
LOUISIANA	3,126	3,242	3,431	3.7	5.8	2,224	2,260	2,403	1.6	6.3	902	982	1,028	8.9	4.7
OKLAHOMA	3,508	3,400	3,789	-3.1	11.4	2,492	2,469	2,737	-.9	10.9	1,016	931	1,052	-8.4	13.0
TEXAS	18,835	20,350	22,618	8.0	11.1	12,015	13,347	14,068	11.1	5.4	6,820	7,003	8,550	2.7	22.1
MOUNTAIN	20,683	20,352	20,394	-1.6	.2	16,091	15,934	15,737	-1.0	-1.2	4,592	4,418	4,657	-3.8	5.4
ARIZONA	4,791	4,707	4,735	-1.8	.6	3,372	3,455	3,416	2.5	-1.1	1,419	1,252	1,319	-11.8	5.4
COLORADO	7,661	7,213	6,711	-5.8	-7.0	6,187	5,841	5,398	-5.6	-7.6	1,474	1,372	1,313	-6.9	-4.3
IDAHO	841	975	1,192	15.9	22.3	699	740	792	5.9	7.0	142	235	400	65.5	70.2
MONTANA	774	799	784	3.2	-1.9	722	763	738	5.7	-3.3	52	36	46	-30.8	27.8
NEVADA	616	698	738	13.3	5.7	518	560	615	8.1	9.8	98	138	123	40.8	-10.9
NEW MEXICO	2,101	2,051	2,115	-2.4	3.1	1,377	1,364	1,440	-.9	5.6	724	687	675	-5.1	-1.7
UTAH	3,218	3,214	3,444	-.1	7.2	2,625	2,613	2,743	-.5	5.0	593	601	701	1.3	16.6
WYOMING	681	695	675	2.1	-2.9	591	598	595	1.2	-.5	90	97	80	7.8	-17.5
PACIFIC	57,348	59,949	64,914	4.5	8.3	38,536	40,234	42,538	4.4	5.7	18,812	19,715	22,376	4.8	13.5
ALASKA	220	287	434	30.5	51.2	131	174	228	32.8	31.0	89	113	206	27.0	82.3
CALIFORNIA	47,241	48,813	53,018	3.3	8.6	30,533	31,484	32,862	3.1	4.4	16,708	17,329	20,156	3.7	16.3
HAWAII	1,484	1,496	1,543	.8	3.1	1,331	1,353	1,373	1.7	1.5	153	143	170	-6.5	18.9
OREGON	3,028	3,185	3,334	5.2	4.7	2,385	2,516	2,792	5.5	11.0	643	669	542	4.0	-19.0
WASHINGTON	5,375	6,168	6,585	14.8	6.8	4,156	4,707	5,283	13.3	12.2	1,219	1,461	1,302	19.9	-10.9
U.S. TERRITORIES	1,466	1,436	1,714	-2.0	19.4	1,067	1,025	1,128	-3.9	10.0	399	411	586	3.0	42.6

* PERCENTAGE LESS THAN 0.05

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE A-18. GRADUATE STUDENTS IN ALL DEPARTMENTS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS: 1975-77

FIELD OF SCIENCE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	339699	345998	362978	1.9	4.9	228284	232017	238202	1.6	2.7	111415	113981	124776	2.3	9.5
ENGINEERING	70,320	69,861	73,301	-.7	4.9	38,620	37,806	38,770	-2.1	2.5	31,700	32,055	34,531	1.1	7.7
AERONAUTICAL	1,811	1,624	1,713	-10.3	5.5	1,363	1,291	1,343	-5.3	4.0	448	333	370	-25.7	11.1
AGRICULTURAL	751	862	880	14.8	2.1	649	717	761	10.5	6.1	102	145	119	42.2	-17.9
BIOMEDICAL	937	895	910	-4.5	1.7	812	719	723	-11.5	.6	125	176	187	40.8	6.3
CHEMICAL	5,121	5,242	5,348	2.4	2.0	3,583	3,711	3,967	3.6	6.9	1,538	1,531	1,381	-.5	-9.8
CIVIL	11,780	11,091	11,553	-5.8	4.2	6,721	6,249	6,492	-7.0	3.9	5,059	4,842	5,061	-4.3	4.5
ELECTRICAL	16,246	15,876	17,357	-2.3	9.3	8,209	8,088	8,447	-1.5	4.4	8,037	7,788	8,910	-3.1	14.4
ENGINEERING SCIENCE	2,602	2,567	2,482	-1.3	-3.3	1,713	1,715	1,569	.1	-8.5	889	852	913	-4.2	7.2
INDUSTRIAL	12,552	12,836	12,988	2.3	1.2	4,723	4,386	4,224	-7.1	-3.7	7,829	8,450	8,764	7.9	3.7
MECHANICAL	7,895	7,658	8,184	-3.0	6.9	4,389	4,380	4,490	-.2	2.5	3,506	3,278	3,694	-6.5	12.7
METALLURGICAL/MATERIALS	2,476	2,487	2,608	.4	4.9	1,827	1,898	1,965	3.9	3.5	649	589	643	-9.2	9.2
MINING	425	531	582	24.9	9.6	355	424	461	19.4	8.7	70	107	121	52.9	13.1
NUCLEAR	1,662	1,623	1,515	-2.3	-6.7	1,273	1,233	1,170	-3.1	-5.1	389	390	345	.3	-11.5
PETROLEUM	393	469	483	19.3	3.0	315	413	402	31.1	-2.7	78	56	81	-28.2	44.6
ENGINEERING, NEC.	5,669	6,100	6,698	7.6	9.8	2,688	2,582	2,756	-3.9	6.7	2,981	3,518	3,942	18.0	12.1
PHYSICAL SCIENCES	26,215	26,552	26,785	1.3	.9	21,952	22,290	22,530	1.5	1.1	4,263	4,262	4,255	.0	-.2
ASTRONOMY	621	585	543	-5.8	-7.2	570	525	500	-7.9	-4.8	51	60	43	17.6	-28.3
CHEMISTRY	15,203	15,547	15,893	2.3	2.2	12,345	12,717	13,027	3.0	2.4	2,858	2,830	2,866	-1.0	1.3
PHYSICS	10,315	10,336	10,185	.2	-1.5	9,010	9,021	8,954	.1	-.7	1,305	1,315	1,231	.8	-6.4
PHYSICAL SCIENCES, NEC.	76	84	164	10.5	95.2	27	27	49	.0	81.5	49	57	115	16.3	101.8
ENVIRONMENTAL SCIENCES	11,395	11,851	12,373	4.0	4.4	8,944	9,264	9,625	3.6	3.9	2,451	2,587	2,748	5.5	6.2
ATMOSPHERIC SCIENCES ...	997	996	1,011	-.1	1.5	892	888	893	-.4	.6	105	108	118	2.9	9.3
GEOSCIENCES	7,179	7,639	7,876	6.4	3.1	5,809	6,220	6,389	7.1	2.7	1,370	1,419	1,487	3.6	4.8
OCEANOGRAPHY	2,088	2,118	2,271	1.4	7.2	1,679	1,741	1,789	3.7	2.8	409	377	482	-7.8	27.9
ENVIRONMENTAL SCIENCES, NEC.	1,131	1,098	1,215	-2.9	10.7	564	415	554	-26.4	33.5	567	683	661	20.5	-3.2
MATHEMATICAL SCIENCES	24,356	24,471	24,015	.5	-1.9	14,675	15,048	14,444	2.5	-4.0	9,681	9,423	9,571	-2.7	1.6
COMPUTER SCIENCE	7,753	8,329	8,774	7.4	5.3	4,320	4,668	4,532	8.1	-2.9	3,433	3,661	4,242	6.6	15.9
MATHEMATICS AND APPLIED MATHEMATICS ..	14,537	14,045	13,169	-3.4	-6.2	8,866	8,850	8,378	-.2	-5.3	5,671	5,195	4,791	-8.4	-7.8
STATISTICS	2,066	2,097	2,072	1.5	-1.2	1,489	1,530	1,534	2.8	.3	577	567	538	-1.7	-5.1
LIFE SCIENCES	83,125	87,766	95,323	5.6	8.6	63,705	66,421	69,244	4.3	4.3	19,420	21,345	26,079	9.9	22.2
AGRICULTURAL SCIENCES	12,364	13,103	13,447	6.0	2.6	10,255	10,962	11,110	6.9	1.4	2,109	2,141	2,337	1.5	9.2
BIOLOGICAL SCIENCES	46,278	47,556	49,279	2.8	3.6	36,838	37,753	38,247	2.5	1.3	9,440	9,803	11,032	3.8	12.5
ANATOMY	1,070	1,112	1,145	3.9	3.0	986	1,038	1,043	5.3	.5	84	74	102	-11.9	37.8
BIOCHEMISTRY	3,800	3,830	3,889	.8	1.5	3,418	3,484	3,568	1.9	2.4	382	346	321	-9.4	-7.2
BIOLOGY	16,347	16,917	17,142	3.5	1.3	10,733	11,029	10,902	2.8	-1.2	5,614	5,888	6,240	4.9	6.0
BIOMETRY/EPIDEMIOLOGY ..	691	640	835	-7.4	30.5	589	534	677	-9.3	26.8	102	106	158	3.9	49.1
BIOPHYSICS	800	695	646	-13.1	-7.1	708	667	623	-5.8	-6.6	92	28	23	-69.6	-17.9
BOTANY	2,774	2,991	3,069	7.8	2.6	2,468	2,655	2,753	7.6	3.7	306	336	316	9.8	-6.0
CELL BIOLOGY	602	565	619	-6.1	9.6	582	535	584	-8.1	9.2	20	30	35	50.0	16.7
ECOLOGY	763	848	988	11.1	16.5	677	728	860	7.5	18.1	86	120	128	39.5	6.7
ENTOMOLOGY/PARASITOLOGY	1,549	1,581	1,581	2.1	.0	1,370	1,403	1,368	2.4	-2.5	179	178	213	-.6	19.7
GENETICS	870	892	1,016	2.5	13.9	781	800	943	2.4	17.9	89	92	73	3.4	-20.7
MICROBIOLOGY	4,111	4,313	4,429	4.9	2.7	3,549	3,680	3,722	3.7	1.1	562	633	707	12.6	11.7
NUTRITION	2,829	3,121	3,806	10.3	21.9	2,394	2,543	2,850	6.2	12.1	435	578	956	32.9	65.4
PATHOLOGY	1,050	1,036	1,163	-1.3	12.3	891	927	948	4.0	2.3	159	109	215	-31.4	97.2
PHARMACOLOGY	1,606	1,692	1,764	5.4	4.3	1,508	1,576	1,641	4.5	4.1	98	116	123	18.4	6.0
PHYSIOLOGY	2,372	2,323	2,210	-2.1	-4.9	2,105	2,046	2,001	-2.8	-2.2	267	277	209	3.7	-24.5
ZOOLOGY	3,570	3,345	3,122	-6.3	-6.7	3,099	2,925	2,668	-5.6	-8.8	471	420	454	-10.8	8.1
BIOSCIENCES, NEC.	1,474	1,655	1,955	12.3	12.1	980	1,183	1,096	20.7	-7.4	494	472	759	-4.5	60.8
HEALTH SCIENCES	24,483	27,107	32,597	10.7	20.3	16,612	17,706	19,887	6.6	12.3	7,871	9,401	12,710	19.4	35.2
ANESTHESIOLOGY	55	5	5	-90.9	.0	55	5	3	-90.9	-40.0	0	0	2	**	**
CARDIOLOGY	35	16	5	-54.3	-68.8	34	14	3	-58.8	-78.6	1	2	2	100.0	.0
CLINICAL PHARMACOLOGY ..	4	24	16	500.0	-33.3	3	24	16	700.0	-33.3	1	0	0	-100.0	**
DENTISTRY	1,321	1,227	1,457	-7.1	18.7	1,123	1,043	1,220	-7.1	17.0	198	184	237	-7.1	28.8
ENDOCRINOLOGY	45	37	42	-17.8	13.5	45	33	35	-26.7	6.1	0	4	7	**	75.0
GASTROENTEROLOGY	16	8	8	-50.0	.0	12	8	8	-33.3	.0	4	0	0	-100.0	**
HEMATOLOGY	5	4	18	-20.0	350.0	5	3	7	-40.0	133.3	0	1	11	**	1000.0
NEUROLOGY	359	337	345	-6.1	2.4	353	327	336	-7.4	2.8	6	10	9	66.7	-10.0
NURSING	5,254	7,196	10,744	37.0	49.3	2,917	3,975	5,395	36.3	35.7	2,337	3,221	5,349	37.8	66.1
OBSTETRICS/GYNECOLOGY ..	53	59	33	11.3	-44.1	51	52	31	2.0	-40.4	2	7	2	250.0	-71.4
OPHTHALMOLOGY	35	19	19	-45.7	.0	27	12	11	-55.6	-8.3	8	7	8	-12.5	14.3
OTORHINOLARYNGOLOGY	54	68	57	25.9	-16.2	50	64	56	28.0	-12.5	4	4	1	.0	-75.0
PEDIATRICS	163	179	110	9.8	-38.5	133	143	101	7.5	-29.4	30	36	9	20.0	-75.0
PHARMACEUTICAL SCIENCES	2,320	2,217	2,456	-4.4	10.8	1,480	1,422	1,571	-3.9	10.5	840	795	885	-5.4	11.3
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	3,723	4,363	4,271	17.2	-2.1	2,961	3,210	3,056	8.4	-4.8	762	1,153	1,215	51.3	5.4
PSYCHIATRY	324	274	227	-15.4	-17.2	257	237	173	-7.8	-27.0	67	37	54	-44.8	45.9
PULMONARY DISEASE	9	2	17	-77.8	750.0	9	2	17	-77.8	750.0	0	0	0	**	**
RADIOLOGY	305	211	263	-30.8	24.6	245	199	221	-18.8	11.1	60	12	42	-80.0	250.0
SPEECH PATH/AUDIOLOGY ..	5,593	5,574	6,238	-.3	11.9	3,833	3,821	4,169	-.3	9.1	1,760	1,753	2,069	-.4	18.0
SURGERY	131	121	104	-7.6	-14.0	117	109	86	-6.8	-21.1	14	12	18	-14.3	50.0
VETERINARY SCIENCES	690	754	834	9.3	10.6	517	581	646	12.4	11.2	173	173	188	.0	8.7
CLINICAL MEDICINE, NEC.	696	747	969	7.3	29.7	607	575	755	-5.3	31.3	89	172	214	93.3	24.4
HEALTH RELATED, NEC. ...	3,293	3,665	4,359	11.3	18.9	1,778	1,847	1,971	3.9	6.7	1,515	1,818	2,388	20.0	31.4
PSYCHOLOGY	36,580	37,859	39,034	3.5	3.1	24,223	25,748	25,883	6.3	.5	12,357	12,111	13,151	-2.0	8.6
SOCIAL SCIENCES	87,708	87,638	92,147	-.1	5.1	56,165	55,440	57,706	-1.3	4.1	31,543	32,198	34,441	2.1	7.0
AGRICULTURAL ECONOMICS .	2,238	2,287	2,346	2.2	2.6	1,987	2,027	2,061	2.0	1.7	251	260	285	3.6	9.6
ANTHROPOLOGY	6,565	6,600	6,718	.5	1.8	4,966	5,019	5,126	1.1	2.1	1,599	1,581	1,592	-1.1	.7
ECONOMICS (EXCEPT AGRICULTURAL)	12,015	11,399	11,689	-5.1	2.5	8,513	7,867	8,203	-7.6	4.3	3,502	3,532	3,486	.9	-1.3
GEOGRAPHY	3,579	3,752	3,469	4.8	-7.5	2,381	2,447	2,275	2.8	-7.0	1,198	1,305	1,194	8.9	-8.5
HISTORY AND PHILOSOPHY OF SCIENCE	303	322	300	6.3	-6.8	259	270	257	4.2	-4.8	44	52	43	18.2	-17.3
LINGUISTICS	4,830	5,133	4,910	6.3	-4.3	3,549	3,836	3,437	8.1	-10.4	1,281	1,297	1,473	1.2	13.6
POLITICAL SCIENCE	27,451	27,138	30,309	-1.1	11.7	14,394	13,604	14,435	-5.5	6.1	13,057	13,534	15,874	3.7	17.3
SOCIOLOGY	14,787	14,432	13,647	-2.4	-5.4	9,956	9,817	9,320	-1.4	-5.1	4,831	4,615	4,327	-4.5	-6.2
SOCIOLOGY/ANTHROPOLOGY .	1,661	1,368	1,379	-17.6	.8	1,068	739	804	-30.8	8.8	593	629	575	6.1	-8.6
SOCIAL SCIENCES, NEC. ..	14,279	15,207	17,380	6.5	14.3	9,092	9,814	11,788	7.9	20.1	5,187	5,393	5,592	4.0	3.7

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE A-19. GRADUATE STUDENTS IN ALL DEPARTMENTS IN PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS: 1975-77

FIELD OF SCIENCE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	235022	238731	246490	1.6	3.3	165680	168460	171560	1.7	1.8	69,342	70,271	74,930	1.3	6.6
ENGINEERING	41,689	41,633	43,323	-.1	4.1	26,428	26,037	26,647	-1.5	2.3	15,261	15,596	16,676	2.2	6.9
AERONAUTICAL	1,218	1,083	1,086	-11.1	.3	858	820	829	-4.4	1.1	360	263	257	-26.9	-2.3
AGRICULTURAL	715	829	844	15.9	1.8	614	685	725	11.6	5.8	101	144	119	42.6	-17.4
BIOMEDICAL	462	466	463	.9	-.6	427	373	400	-12.6	7.2	35	93	63	165.7	-32.3
CHEMICAL	3,509	3,456	3,552	-1.5	2.8	2,503	2,496	2,710	-.3	8.6	1,006	960	842	-4.6	-12.3
CIVIL	7,860	7,553	8,030	-3.9	6.3	4,798	4,623	4,805	-3.6	3.9	3,062	2,930	3,225	-4.3	10.1
ELECTRICAL	9,213	9,017	9,695	-2.1	7.5	5,545	5,447	5,632	-1.8	3.4	3,668	3,570	4,063	-2.7	13.8
ENGINEERING SCIENCE	2,088	2,090	1,886	.1	-9.8	1,348	1,333	1,166	-1.1	-12.5	740	757	720	2.3	-4.9
INDUSTRIAL	4,663	4,668	4,855	.1	4.0	2,660	2,449	2,413	-7.9	-1.5	2,003	2,219	2,442	10.8	10.0
MECHANICAL	5,184	5,029	5,130	-3.0	2.0	3,177	3,041	3,077	-4.3	1.2	2,007	1,988	2,053	-.9	3.3
METALLURGICAL/MATERIALS	1,446	1,475	1,556	2.0	5.5	1,120	1,194	1,228	6.6	2.8	326	281	328	-13.8	16.7
MINING	343	437	496	27.4	13.5	278	336	380	20.9	13.1	65	101	116	55.4	14.9
NUCLEAR	1,154	1,187	1,109	2.9	-6.6	975	966	911	-.9	-5.7	179	221	198	23.5	-10.4
PETROLEUM	246	319	332	29.7	4.1	226	284	284	25.7	.0	20	35	48	75.0	37.1
ENGINEERING, NEC.	3,588	4,024	4,289	12.2	6.6	1,899	1,990	2,087	4.8	4.9	1,689	2,034	2,202	20.4	8.3
PHYSICAL SCIENCES	18,149	18,381	18,521	1.3	.8	15,445	15,701	15,826	1.7	.8	2,704	2,680	2,695	-.9	.6
ASTRONOMY	432	395	361	-8.6	-8.6	386	342	322	-11.4	-5.8	46	53	39	15.2	-26.4
CHEMISTRY	10,762	11,050	11,267	2.7	2.0	8,981	9,312	9,514	3.7	2.2	1,781	1,738	1,753	-2.4	.9
PHYSICS	6,892	6,864	6,748	-.4	-1.7	6,052	6,020	5,946	-.5	-1.2	840	844	802	.5	-5.0
PHYSICAL SCIENCES, NEC.	63	72	145	14.3	101.4	26	27	44	3.8	63.0	37	45	101	21.6	124.4
ENVIRONMENTAL SCIENCES	9,251	9,707	10,119	4.9	4.2	7,148	7,445	7,811	4.2	4.9	2,103	2,262	2,308	7.6	2.0
ATMOSPHERIC SCIENCES	909	922	948	1.4	2.8	819	824	833	.6	1.1	90	98	115	8.9	17.3
GEOSCIENCES	5,610	6,053	6,319	7.9	4.4	4,497	4,873	5,051	8.4	3.7	1,113	1,180	1,268	6.0	7.5
OCEANOGRAPHY	1,650	1,689	1,750	2.4	3.6	1,299	1,367	1,435	5.2	5.0	351	322	315	-8.3	-2.2
ENVIRONMENTAL SCIENCES, NEC.	1,082	1,043	1,102	-3.6	5.7	533	381	492	-28.5	29.1	549	662	610	20.6	-7.9
MATHEMATICAL SCIENCES	17,964	18,161	17,260	1.1	-5.0	11,353	11,658	11,124	2.7	-4.6	6,611	6,503	6,136	-1.6	-5.6
COMPUTER SCIENCE	5,495	5,992	5,931	9.0	-1.0	3,402	3,702	3,588	8.8	-3.1	2,093	2,290	2,343	9.4	2.3
MATHEMATICS AND APPLIED MATHEMATICS	10,873	10,574	9,730	-2.7	-8.0	6,730	6,690	6,247	-.6	-6.6	4,143	3,884	3,483	-6.3	-10.3
STATISTICS	1,596	1,595	1,599	-.1	.3	1,221	1,266	1,289	3.7	1.8	375	329	310	-12.3	-5.8
LIFE SCIENCES	65,248	68,909	73,069	5.6	6.0	50,593	52,925	54,727	4.6	3.4	14,655	15,984	18,342	9.1	14.8
AGRICULTURAL SCIENCES	11,925	12,663	12,969	6.2	2.4	9,872	10,585	10,732	7.2	1.4	2,053	2,078	2,237	1.2	7.7
BIOLOGICAL SCIENCES	34,403	35,547	36,689	3.3	3.2	27,729	28,548	28,915	3.0	1.3	6,674	6,999	7,774	4.9	11.1
ANATOMY	719	754	759	4.9	.7	657	700	695	6.5	-.7	62	54	64	-12.9	18.5
BIOCHEMISTRY	2,646	2,671	2,727	.9	2.1	2,387	2,456	2,519	2.9	2.6	259	215	208	-17.0	-3.3
BIOLOGY	11,144	11,753	11,979	5.5	1.9	7,346	7,726	7,731	5.2	.1	3,798	4,027	4,248	6.0	5.5
BIOMETRY/EPIDEMIOLOGY	483	437	569	-9.5	30.2	423	376	479	-11.1	27.4	60	61	90	1.7	47.5
BIOPHYSICS	482	372	336	-22.8	-9.7	394	348	315	-11.7	-9.5	88	24	21	-72.7	-12.5
BOTANY	2,563	2,777	2,858	8.3	2.9	2,293	2,483	2,571	8.3	3.5	270	294	287	8.9	-2.4
CELL BIOLOGY	333	353	407	6.0	15.3	324	338	381	4.3	12.7	9	15	26	66.7	73.3
ECOLOGY	610	739	890	21.1	20.4	548	644	776	17.5	20.5	62	95	114	53.2	20.0
ENTOMOLOGY/PARASITOLOGY	1,476	1,518	1,521	2.8	.2	1,297	1,340	1,311	3.3	-2.2	179	178	210	-.6	18.0
GENETICS	632	647	730	2.4	12.8	582	611	693	5.0	13.4	50	36	37	-28.0	2.8
MICROBIOLOGY	3,216	3,315	3,332	3.1	.5	2,812	2,828	2,816	.6	-.4	404	487	516	20.5	6.0
NUTRITION	2,285	2,498	3,058	9.3	22.4	1,911	1,996	2,232	4.4	11.8	374	502	826	34.2	64.5
PATHOLOGY	734	677	750	-7.8	10.8	604	592	610	-2.0	3.0	130	85	140	-34.6	64.7
PHARMACOLOGY	1,127	1,148	1,155	1.9	.6	1,067	1,072	1,077	.5	.5	60	76	78	26.7	2.6
PHYSIOLOGY	1,729	1,668	1,574	-3.5	-5.6	1,554	1,485	1,447	-4.4	-2.6	175	183	127	4.6	-30.6
ZOOLOGY	3,360	3,154	2,936	-6.1	-6.9	2,906	2,742	2,502	-5.6	-8.8	454	412	434	-9.3	5.3
BIOSCIENCES, NEC.	864	1,066	1,108	23.4	3.9	624	811	760	30.0	-6.3	240	255	348	6.3	36.5
HEALTH SCIENCES	18,920	20,699	23,411	9.4	13.1	12,992	13,792	15,080	6.2	9.3	5,928	6,907	8,331	16.5	20.6
ANESTHESIOLOGY	14	5	2	-64.3	-60.0	14	5	2	-64.3	-60.0	0	0	0	**	**
CARDIOLOGY	32	16	2	-50.0	-87.5	32	14	2	-56.3	-85.7	0	2	0	**	-100.0
CLINICAL PHARMACOLOGY	4	24	5	500.0	-79.2	3	24	5	700.0	-79.2	1	0	0	-100.0	**
DENTISTRY	804	804	871	.0	8.3	690	698	752	1.2	7.7	114	106	119	-7.0	12.3
ENDOCRINOLOGY	44	34	37	-22.7	8.8	44	32	35	-27.3	9.4	0	2	2	**	.0
GASTROENTEROLOGY	12	8	8	-33.3	.0	12	8	8	-33.3	.0	0	0	0	**	**
HEMATOLOGY	5	3	1	-40.0	-66.7	5	3	1	-40.0	-66.7	0	0	0	**	**
NEUROLOGY	170	163	187	-4.1	14.7	164	161	185	-1.8	14.9	6	2	2	-66.7	.0
NURSING	4,565	5,718	7,522	25.3	31.5	2,520	3,108	3,905	23.3	25.6	2,045	2,610	3,617	27.6	38.6
OBSTETRICS/GYNECOLOGY	45	42	17	-6.7	-59.5	43	37	17	-14.0	-54.1	2	5	0	150.0	-100.0
OPHTHALMOLOGY	11	7	13	-36.4	85.7	6	3	7	-50.0	133.3	5	4	6	-20.0	50.0
OTORHINOLARYNGOLOGY	40	52	31	30.0	-40.4	36	48	31	33.3	-35.4	4	4	0	.0	-100.0
PEDIATRICS	116	137	69	18.1	-49.6	95	104	67	9.5	-35.6	21	33	2	57.1	-93.9
PHARMACEUTICAL SCIENCES	1,484	1,492	1,599	.5	7.2	1,255	1,284	1,383	2.3	7.7	229	208	216	-9.2	3.8
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,784	3,194	3,063	14.7	-4.1	2,232	2,466	2,306	10.5	-6.5	552	728	757	31.9	4.0
PSYCHIATRY	205	179	146	-12.7	-18.4	164	149	105	-9.1	-29.5	41	30	41	-26.8	36.7
PULMONARY DISEASE	7	2	5	-71.4	150.0	7	2	5	-71.4	150.0	0	0	0	**	**
RADIOLOGY	284	197	250	-30.6	26.9	226	185	209	-18.1	13.0	58	12	41	-79.3	241.7
SPEECH PATH/AUDIOLOGY	4,709	4,729	5,384	.4	13.9	3,230	3,233	3,598	.1	11.3	1,479	1,496	1,786	1.1	19.4
SURGERY	107	84	68	-21.5	-19.0	94	76	61	-19.1	-19.7	13	8	7	-38.5	-12.5
VETERINARY SCIENCES	621	674	754	8.5	11.9	459	508	571	10.7	12.4	162	166	183	2.5	10.2
CLINICAL MEDICINE, NEC.	483	529	654	9.5	23.6	400	370	471	-7.5	27.3	83	159	183	91.6	15.1
HEALTH RELATED, NEC.	2,374	2,606	2,723	9.8	4.5	1,261	1,274	1,354	1.0	6.3	1,113	1,332	1,369	19.7	2.8
PSYCHOLOGY	23,855	23,648	24,237	-.9	2.5	16,538	16,832	16,705	1.8	-.8	7,317	6,816	7,532	-6.8	10.5
SOCIAL SCIENCES	58,866	58,292	59,961	-1.0	2.9	38,175	37,862	38,720	-.8	2.3	20,691	20,430	21,241	-1.3	4.0
AGRICULTURAL ECONOMICS	2,149	2,207	2,267	2.7	2.7	1,898	1,947	1,982	2.6	1.8	251	260	285	3.6	9.6
ANTHROPOLOGY	4,694	4,924	5,003	4.9	1.6	3,573	3,727	3,777	4.3	1.3	1,121	1,197	1,226	6.8	2.4
ECONOMICS (EXCEPT AGRICULTURAL)	7,387	7,142	7,127	-3.3	-.2	5,215	5,111	5,124	-2.0	.3	2,172	2,031	2,003	-6.5	-1.4
GEOGRAPHY	3,250	3,466	3,193	6.6	-7.9	2,118	2,197	2,048	3.7	-6.8	1,132	1,269	1,145	12.1	-9.8
HISTORY AND PHILOSOPHY OF SCIENCE	150	164	163	9.3	-.6	127	135	135	6.3	.0	23	29	28	26.1	-3.4
LINGUISTICS	3,368	3,720	3,624	10.5	-2.6	2,500	2,782	2,602	11.3	-6.5	868	938	1,022	8.1	9.0
POLITICAL SCIENCE	15,963	15,746	16,426	-1.4	4.3	8,523	8,020	8,369	-5.9	4.4	7,440	7,726	8,057	3.8	4.3
SOCIOLOGY	11,172	10,590	10,049	-5.2	-5.1	7,404	7,067	6,724	-4.6	-4.9	3,768	3,523	3,325	-6.5	-5.6
SOCIOLOGY/ANTHROPOLOGY	1,157	828	765	-28.4	-7.6	796	458	524	-42.5	14.4	361	370	241	2.5	-34.9
SOCIAL SCIENCES, NEC.	9,576	9,505	11,344	-.7	19.3	6,021	6,418	7,435	6.6	15.8	3,555	3,087	3,909	-13.2	26.6

TABLE A-20. GRADUATE STUDENTS IN ALL DEPARTMENTS IN PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS: 1975-77

FIELD OF SCIENCE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	104677	107267	116488	2.5	8.6	62,604	63,557	66,642	1.5	4.9	42,073	43,710	49,846	3.9	14.0
ENGINEERING	28,631	28,228	29,978	-1.4	6.2	12,192	11,769	12,123	-3.5	3.0	16,439	16,459	17,855	.1	8.5
AERONAUTICAL	593	541	627	-8.8	15.9	505	471	514	-6.7	9.1	88	70	113	-20.5	61.4
AGRICULTURAL	36	33	36	-8.3	9.1	35	32	36	-8.6	12.5	1	1	0	.0	-100.0
BIOMEDICAL	475	429	447	-9.7	4.2	385	346	323	-10.1	-6.6	90	83	124	-7.8	49.4
CHEMICAL	1,612	1,786	1,796	10.8	.6	1,080	1,215	1,257	12.5	3.5	532	571	539	7.3	-5.6
CIVIL	3,920	3,538	3,523	-9.7	-.4	1,923	1,626	1,687	-15.4	3.8	1,997	1,912	1,836	-4.3	-4.0
ELECTRICAL	7,033	6,859	7,662	-2.5	11.7	2,664	2,641	2,815	-.9	6.6	4,369	4,218	4,847	-3.5	14.9
ENGINEERING SCIENCE	514	477	596	-7.2	24.9	365	382	403	4.7	5.5	149	95	193	-36.2	103.2
INDUSTRIAL	7,889	8,168	8,133	3.5	-.4	2,063	1,937	1,811	-6.1	-6.5	5,826	6,231	6,322	7.0	1.5
MECHANICAL	2,711	2,629	3,054	-3.0	16.2	1,212	1,339	1,413	10.5	5.5	1,499	1,290	1,641	-13.9	27.2
METALLURGICAL/MATERIALS	1,030	1,012	1,052	-1.7	4.0	707	704	737	-.4	4.7	323	308	315	-4.6	2.3
MINING	82	94	86	14.6	-8.5	77	88	81	14.3	-8.0	5	6	5	20.0	-16.7
NUCLEAR	508	436	406	-14.2	-6.9	298	267	259	-10.4	-3.0	210	169	147	-19.5	-13.0
PETROLEUM	147	150	151	2.0	.7	89	129	118	44.9	-8.5	58	21	33	-63.8	57.1
ENGINEERING, NEC.	2,081	2,076	2,409	-.2	16.0	789	592	669	-25.0	13.0	1,292	1,484	1,740	14.9	17.3
PHYSICAL SCIENCES	8,066	8,171	8,264	1.3	1.1	6,507	6,589	6,704	1.3	1.7	1,559	1,582	1,560	1.5	-1.4
ASTRONOMY	189	190	182	.5	-4.2	184	183	178	-.5	-2.7	5	7	4	40.0	-42.9
CHEMISTRY	4,441	4,497	4,626	1.3	2.9	3,364	3,405	3,513	1.2	3.2	1,077	1,092	1,113	1.4	1.9
PHYSICS	3,423	3,472	3,437	1.4	-1.0	2,958	3,001	3,008	1.5	.2	465	471	429	1.3	-8.9
PHYSICAL SCIENCES, NEC.	13	12	19	-7.7	58.3	1	0	5	-100.0	**	12	12	14	.0	16.7
ENVIRONMENTAL SCIENCES	2,144	2,144	2,254	.0	5.1	1,796	1,819	1,814	1.3	-.3	348	325	440	-6.6	35.4
ATMOSPHERIC SCIENCES	88	74	63	-15.9	-14.9	73	64	60	-12.3	-6.3	15	10	3	-33.3	-70.0
GEOSCIENCES	1,569	1,586	1,557	1.1	-1.8	1,312	1,347	1,338	2.7	-.7	257	239	219	-7.0	-8.4
OCEANOGRAPHY	438	429	521	-2.1	21.4	380	374	354	-1.6	-5.3	58	55	167	-5.2	203.6
ENVIRONMENTAL SCIENCES, NEC.	49	55	113	12.2	105.5	31	34	62	9.7	82.4	18	21	51	16.7	142.9
MATHEMATICAL SCIENCES	6,392	6,310	6,755	-1.3	7.1	3,322	3,390	3,320	2.0	-2.1	3,070	2,920	3,435	-4.9	17.6
COMPUTER SCIENCE	2,258	2,337	2,843	3.5	21.7	918	966	944	5.2	-2.3	1,340	1,371	1,899	2.3	38.5
MATHEMATICS AND APPLIED MATHEMATICS	3,664	3,471	3,439	-5.3	-.9	2,136	2,160	2,131	1.1	-1.3	1,528	1,311	1,308	-14.2	-.2
STATISTICS	470	502	473	6.8	-5.8	268	264	245	-1.5	-7.2	202	238	228	17.8	-4.2
LIFE SCIENCES	17,877	18,857	22,254	5.5	18.0	13,112	13,496	14,517	2.9	7.6	4,765	5,361	7,737	12.5	44.3
AGRICULTURAL SCIENCES	439	440	478	.2	8.6	383	377	378	-1.6	.3	56	63	100	12.5	58.7
BIOLOGICAL SCIENCES	11,875	12,009	12,590	1.1	4.8	9,109	9,205	9,332	1.1	1.4	2,766	2,804	3,258	1.4	16.2
ANATOMY	351	358	386	2.0	7.8	329	338	348	2.7	3.0	22	20	38	-9.1	90.0
BIOCHEMISTRY	1,154	1,159	1,162	.4	.3	1,031	1,028	1,049	-.3	2.0	123	131	113	6.5	-13.7
BIOLOGY	5,203	5,164	5,163	-.7	.0	3,387	3,303	3,171	-2.5	-4.0	1,816	1,861	1,992	2.5	7.0
BIOMETRY/EPIDEMIOLOGY	208	203	266	-2.4	31.0	166	158	198	-4.8	25.3	42	45	68	7.1	51.1
BIOPHYSICS	318	323	310	1.6	-4.0	314	319	308	1.6	-3.4	4	4	2	.0	-50.0
BOTANY	211	214	211	1.4	-1.4	175	172	182	-1.7	5.8	36	42	29	16.7	-31.0
CELL BIOLOGY	269	212	212	-21.2	.0	258	197	203	-23.6	3.0	11	15	9	36.4	-40.0
ECOLOGY	153	109	98	-28.8	-10.1	129	84	84	-34.9	.0	24	25	14	4.2	-44.0
ENTOMOLOGY/PARASITOLOGY	73	63	60	-13.7	-4.8	73	63	57	-13.7	-9.5	0	0	3	**	**
GENETICS	238	245	286	2.9	16.7	199	189	250	-5.0	32.3	39	56	36	43.6	-35.7
MICROBIOLOGY	895	998	1,097	11.5	9.9	737	852	906	15.6	6.3	158	146	191	-7.6	30.8
NUTRITION	544	623	748	14.5	20.1	483	547	618	13.3	13.0	61	76	130	24.6	71.1
PATHOLOGY	316	359	413	13.6	15.0	287	335	338	16.7	.9	29	24	75	-17.2	212.5
PHARMACOLOGY	479	544	609	13.6	11.9	441	504	564	14.3	11.9	38	40	45	5.3	12.5
PHYSIOLOGY	643	655	636	1.9	-2.9	551	561	554	1.8	-1.2	92	94	82	2.2	-12.8
ZOOLOGY	210	191	186	-9.0	-2.6	193	183	166	-5.2	-9.3	17	8	20	-52.9	150.0
BIOSCIENCES, NEC.	610	589	747	-3.4	26.8	356	372	336	4.5	-9.7	254	217	411	-14.6	89.4
HEALTH SCIENCES	5,563	6,408	9,186	15.2	43.4	3,620	3,914	4,807	8.1	22.8	1,943	2,494	4,379	28.4	75.6
ANESTHESIOLOGY	41	0	3	-100.0	**	41	0	1	-100.0	**	0	0	2	**	**
CARDIOLOGY	3	0	3	-100.0	**	2	0	1	-100.0	**	1	0	2	-100.0	**
CLINICAL PHARMACOLOGY	0	0	11	**	**	0	0	11	**	**	0	0	0	**	**
DENTISTRY	517	423	586	-18.2	38.5	433	345	468	-20.3	35.7	84	78	118	-7.1	51.3
ENDOCRINOLOGY	1	3	5	200.0	66.7	1	1	0	.0	-100.0	0	2	5	**	150.0
GASTROENTEROLOGY	4	0	0	-100.0	**	0	0	0	**	**	4	0	0	-100.0	**
HEMATOLOGY	0	1	17	**	1600.0	0	0	6	**	**	0	1	11	**	1000.0
NEUROLOGY	189	174	158	-7.9	-9.2	189	166	151	-12.2	-9.0	0	8	7	**	-12.5
NURSING	689	1,478	3,222	114.5	118.0	397	867	1,490	118.4	71.9	292	611	1,732	109.2	183.5
OBSTETRICS/GYNECOLOGY	8	17	16	112.5	-5.9	8	15	14	87.5	-6.7	0	2	2	**	.0
OPHTHALMOLOGY	24	12	6	-50.0	-50.0	21	9	4	-57.1	-55.6	3	3	2	.0	-33.3
OTORHINOLARYNGOLOGY	14	16	26	14.3	62.5	14	16	25	14.3	56.3	0	0	1	**	**
PEDIATRICS	47	42	41	-10.6	-2.4	38	39	34	2.6	-12.8	9	3	7	-66.7	133.3
PHARMACEUTICAL SCIENCES	836	725	857	-13.3	18.2	225	138	188	-38.7	36.2	611	587	669	-3.9	14.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	939	1,169	1,208	24.5	3.3	729	744	750	2.1	.8	210	425	458	102.4	7.8
PSYCHIATRY	119	95	81	-20.2	-14.7	93	88	68	-5.4	-22.7	26	7	13	-73.1	85.7
PULMONARY DISEASE	2	0	12	-100.0	**	2	0	12	-100.0	**	0	0	0	**	**
RADIOLOGY	21	14	13	-33.3	-7.1	19	14	12	-26.3	-14.3	2	0	1	-100.0	**
SPEECH PATH/AUDIOLOGY	884	845	854	-4.4	1.1	603	588	571	-2.5	-2.9	281	257	283	-8.5	10.1
SURGERY	24	37	36	54.2	-2.7	23	33	25	43.5	-24.2	1	4	11	300.0	175.0
VETERINARY SCIENCES	69	80	80	15.9	.0	58	73	75	25.9	2.7	11	7	5	-36.4	-28.6
CLINICAL MEDICINE, NEC.	213	218	315	2.3	44.5	207	205	284	-1.0	38.5	6	13	31	116.7	138.5
HEALTH RELATED, NEC.	919	1,059	1,636	15.2	54.5	517	573	617	10.8	7.7	402	486	1,019	20.9	109.7
PSYCHOLOGY	12,725	14,211	14,797	11.7	4.1	7,685	8,916	9,178	16.0	2.9	5,040	5,295	5,619	5.1	6.1
SOCIAL SCIENCES	28,842	29,346	32,186	1.7	9.7	17,990	17,578	18,986	-2.3	8.0	10,852	11,768	13,200	8.4	12.2
AGRICULTURAL ECONOMICS	89	80	79	-10.1	-1.2	89	80	79	-10.1	-1.2	0	0	0	**	**
ANTHROPOLOGY	1,871	1,676	1,715	-10.4	2.3	1,393	1,292	1,349	-7.3	4.4	478	384	366	-19.7	-4.7
ECONOMICS (EXCEPT AGRICULTURAL)	4,628	4,257	4,562	-8.0	7.2	3,298	2,756	3,079	-16.4	11.7	1,330	1,501	1,483	12.9	-1.2
GEOGRAPHY	329	286	276	-13.1	-3.5	263	250	227	-4.9	-9.2	66	36	49	-45.5	36.1
HISTORY AND PHILOSOPHY OF SCIENCE	153	158	137	3.3	-13.3	132	135	122	2.3	-9.6	21	23	15	9.5	-34.8
LINGUISTICS	1,462	1,413	1,286	-3.4	-9.0	1,049	1,054	835	.5	-20.8	413	359	451	-13.1	25.6
POLITICAL SCIENCE	11,488	11,392	13,883	-.8	21.9	5,871	5,584	6,066	-4.9	8.6	5,617	5,808	7,817	3.4	34.6
SOCIOLOGY	3,615	3,842	3,598	6.3	-6.4	2,552	2,750	2,596	7.8	-5.6	1,063	1,092	1,002	2.7	-8.2
SOCIOLOGY/ANTHROPOLOGY	504	540	614	7.1	13.7	272	281	280	3.3	-.4	232	259	334	11.6	29.0
SOCIAL SCIENCES, NEC.	4,703	5,702	6,036	21.2	5.9	3,071	3,396	4,353	10.6	28.2	1,632	2,306	1,683	41.3	-27.0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-1. SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT AND POSTDOCTORALS: DEPARTMENTAL POPULATION AT DOCTORATE-GRANTING INSTITUTIONS: 1975-77

FIELD OF SCIENCE	TOTAL			INSTITUTIONAL CONTROL						LEVEL OF DEPARTMENT					
				PUBLIC			PRIVATE			DOCTORATE			MASTER'S		
	1975	1976	1977	1975	1976	1977	1975	1976	1977	1975	1976	1977	1975	1976	1977
TOTAL, ALL FIELDS	7,634	7,747	7,951	5,245	5,290	5,416	2,389	2,457	2,535	6,213	6,272	6,374	1,421	1,475	1,577
ENGINEERING	1,015	1,015	1,023	725	728	729	290	287	294	779	778	783	236	237	240
AERONAUTICAL	42	41	41	29	29	29	13	12	12	39	38	37	3	3	4
AGRICULTURAL	50	50	48	49	49	47	1	1	1	30	31	29	20	19	19
BIOMEDICAL	35	35	37	19	20	20	16	15	17	33	33	33	2	2	4
CHEMICAL	118	117	119	85	84	85	33	33	34	101	100	102	17	17	17
CIVIL	144	143	146	98	97	100	46	46	46	109	108	111	35	35	35
ELECTRICAL	143	142	142	100	98	98	43	44	44	118	118	118	25	24	24
ENGINEERING SCIENCE	59	60	59	45	48	47	14	12	12	47	46	45	12	14	14
INDUSTRIAL	104	106	105	67	68	68	37	38	37	68	70	69	36	36	36
MECHANICAL	130	128	131	94	92	93	36	36	38	101	100	103	29	28	28
METALLURGICAL/MATERIALS	68	66	67	46	46	47	22	20	20	61	59	60	7	7	7
MINING	18	18	19	17	17	18	1	1	1	10	9	9	8	9	10
NUCLEAR	33	32	31	26	26	25	7	6	6	27	26	26	6	6	5
PETROLEUM	17	17	16	13	13	12	4	4	4	13	13	12	4	4	4
ENGINEERING, NEC.	54	60	62	37	41	40	17	19	22	22	27	29	32	33	33
PHYSICAL SCIENCES	510	498	495	333	323	323	177	175	172	409	403	402	101	95	93
ASTRONOMY	34	30	30	23	20	20	11	10	10	30	27	27	4	3	3
CHEMISTRY	239	236	234	157	154	153	82	82	81	196	194	194	43	42	40
PHYSICS	234	232	230	150	149	149	84	83	81	182	182	180	52	50	50
PHYSICAL SCIENCES, NEC.	3	0	1	3	0	1	0	0	0	1	0	1	2	0	0
ENVIRONMENTAL SCIENCES	251	256	260	196	198	202	55	58	58	190	195	195	61	61	65
ATMOSPHERIC SCIENCES ...	26	29	30	23	25	26	3	4	4	24	27	27	2	2	3
GEOSCIENCES	178	179	177	137	137	136	41	42	41	127	128	127	51	51	50
OCEANOGRAPHY	35	36	37	26	26	28	9	10	9	31	32	32	4	4	5
ENVIRONMENTAL SCIENCES, NEC.	12	12	16	10	10	12	2	2	4	8	8	9	4	4	7
MATHEMATICAL SCIENCES	376	382	383	257	262	264	119	120	119	267	271	269	109	111	114
COMPUTER SCIENCE	86	90	91	65	67	68	21	23	23	58	58	57	28	32	34
MATHEMATICS AND APPLIED MATHEMATICS ..	242	242	240	156	157	156	86	85	84	166	169	167	76	73	73
STATISTICS	48	50	52	36	38	40	12	12	12	43	44	45	5	6	7
LIFE SCIENCES	4,161	4,222	4,381	2,808	2,840	2,940	1,353	1,382	1,441	3,679	3,708	3,792	482	514	589
AGRICULTURAL SCIENCES	311	312	315	298	298	301	13	14	14	228	229	229	83	83	86
BIOLOGICAL SCIENCES	1,500	1,495	1,533	1,038	1,027	1,055	462	468	478	1,359	1,351	1,381	141	144	152
ANATOMY	100	100	103	62	62	65	38	38	38	100	100	103	0	0	0
BIOCHEMISTRY	154	153	157	103	101	105	51	52	52	150	150	153	4	3	4
BIOLOGY	187	187	189	108	106	108	79	81	81	133	132	135	54	55	54
BIOMETRY/EPIDEMIOLOGY ..	35	35	41	20	19	24	15	16	17	31	31	37	4	4	4
BIOPHYSICS	39	36	36	29	26	25	10	10	11	38	35	35	1	1	1
BOTANY	88	89	87	82	83	81	6	6	6	83	83	80	5	6	7
CELL BIOLOGY	28	28	30	13	14	16	15	14	14	28	28	30	0	0	0
ECOLOGY	15	19	20	13	16	17	2	3	3	15	18	19	0	1	1
ENTOMOLOGY/PARASITOLOGY	47	47	46	44	44	43	3	3	3	42	42	41	5	5	5
GENETICS	51	52	54	34	36	37	17	16	17	50	51	53	1	1	1
MICROBIOLOGY	175	175	180	122	118	122	53	57	58	165	165	169	10	10	11
NUTRITION	76	76	79	62	63	64	14	13	15	56	54	55	20	22	24
PATHOLOGY	141	141	146	89	88	92	52	53	54	129	129	133	12	12	13
PHARMACOLOGY	131	131	140	88	87	94	43	44	46	126	126	133	5	5	7
PHYSIOLOGY	130	128	133	87	86	90	43	42	43	129	127	130	1	1	3
ZOOLOGY	62	60	55	57	55	50	5	5	5	57	55	51	5	5	4
BIOSCIENCES, NEC.	41	38	37	25	23	22	16	15	15	27	25	24	14	13	13
HEALTH SCIENCES	2,350	2,415	2,533	1,472	1,515	1,584	878	900	949	2,092	2,128	2,182	258	287	351
ANESTHESIOLOGY	96	94	98	56	53	56	40	41	42	90	88	92	6	6	6
CARDIOLOGY	96	97	97	56	57	57	40	40	40	94	95	95	2	2	2
CLINICAL PHARMACOLOGY ..	22	22	24	14	14	14	8	8	10	22	22	23	0	0	1
DENTISTRY	70	93	126	44	65	78	26	28	48	29	38	48	41	55	78
ENDOCRINOLOGY	97	100	100	59	61	61	38	39	39	96	99	99	1	1	1
GASTROENTEROLOGY	85	86	86	49	49	49	36	37	37	83	84	84	2	2	2
HEMATOLOGY	91	90	89	52	51	50	39	39	39	90	89	87	1	1	2
NEUROLOGY	112	115	116	65	67	68	47	48	48	110	113	114	2	2	2
NURSING	44	56	76	37	43	59	7	13	17	8	11	15	36	45	61
OBSTETRICS/GYNECOLOGY ..	107	106	105	66	65	64	41	41	41	104	103	102	3	3	3
OPHTHALMOLOGY	96	97	97	57	57	57	39	40	40	91	92	92	5	5	5
OTORHINOLARYNGOLOGY	92	93	93	55	55	54	37	38	39	89	90	90	3	3	3
PEDIATRICS	107	108	108	63	63	63	44	45	45	102	103	103	5	5	5
PHARMACEUTICAL SCIENCES	72	70	77	62	61	65	10	9	12	60	58	59	12	12	18
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	150	152	158	100	101	107	50	51	51	129	130	133	21	22	25
PSYCHIATRY	106	106	107	62	62	63	44	44	44	98	98	99	8	8	8
PULMONARY DISEASE	86	86	85	49	49	48	37	37	37	84	84	83	2	2	2
RADIOLOGY	123	121	124	73	71	73	50	50	51	115	113	116	8	8	8
SPEECH PATH/AUDIOLOGY ..	73	69	74	61	58	63	12	11	11	37	35	36	36	34	38
SURGERY	235	240	243	133	137	140	102	103	103	225	230	233	10	10	10
VETERINARY SCIENCES	54	54	58	52	52	55	2	2	3	40	40	43	14	14	15
CLINICAL MEDICINE, NEC.	276	291	315	164	178	189	112	113	126	261	274	297	15	17	18
HEALTH RELATED, NEC. ...	60	69	77	43	46	51	17	23	26	35	39	39	25	30	38
PSYCHOLOGY	275	283	292	182	181	185	93	102	107	221	230	237	54	53	55
SOCIAL SCIENCES	1,046	1,091	1,117	744	758	773	302	333	344	668	687	696	378	404	421
AGRICULTURAL ECONOMICS .	48	48	48	46	46	46	2	2	2	34	34	34	14	14	14
ANTHROPOLOGY	102	103	103	72	71	71	30	32	32	73	75	75	29	28	28
ECONOMICS (EXCEPT AGRICULTURAL)	177	177	176	122	120	119	55	57	57	121	122	121	56	55	55
GEOGRAPHY	84	85	86	72	74	75	12	11	11	48	48	48	36	37	38
HISTORY AND PHILOSOPHY OF SCIENCE	27	26	26	13	12	13	14	14	13	26	25	25	1	1	1
LINGUISTICS	84	82	80	59	58	57	25	24	23	58	57	56	26	25	24
POLITICAL SCIENCE	224	248	262	149	160	163	75	88	99	133	144	151	91	104	111
SOCIOLOGY	210	221	226	153	155	160	57	66	66	123	127	129	87	94	97
SOCIOLOGY/ANTHROPOLOGY .	28	28	29	17	16	17	11	12	12	17	16	16	11	12	13
SOCIAL SCIENCES, NEC. ..	62	73	81	41	46	52	21	27	29	35	39	41	27	34	40

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE 8-2. GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE, ENROLLMENT STATUS, AND LEVEL OF DEPARTMENT: 1977

FIELD OF SCIENCE	TOTAL			FULL TIME			PART TIME		
	TOTAL	DOCTORATE	MASTER'S	TOTAL	DOCTORATE	MASTER'S	TOTAL	DOCTORATE	MASTER'S
TOTAL, ALL FIELDS	306,710	246,655	60,055	218,226	185,612	32,614	88,484	61,043	27,441
ENGINEERING	68,108	55,035	13,073	37,816	34,309	3,507	30,292	20,726	9,566
AERONAUTICAL	1,691	1,656	35	1,334	1,310	24	357	346	11
AGRICULTURAL	872	728	144	753	634	119	119	94	25
BIOMEDICAL	880	821	59	723	688	35	157	33	24
CHEMICAL	5,210	4,870	340	3,929	3,788	141	1,281	1,082	199
CIVIL	10,757	9,565	1,192	6,339	5,846	493	4,418	3,719	699
ELECTRICAL	16,156	15,171	985	8,232	7,904	328	7,924	7,267	657
ENGINEERING SCIENCE	2,297	1,804	493	1,538	1,330	208	759	474	285
INDUSTRIAL	12,177	5,642	6,535	4,083	3,290	793	8,094	2,352	5,742
MECHANICAL	7,568	7,031	537	4,400	4,177	223	3,168	2,854	314
METALLURGICAL/MATERIALS	2,543	2,479	64	1,959	1,910	49	584	569	15
MINING	571	363	208	450	307	143	121	56	65
NUCLEAR	1,496	1,418	78	1,165	1,111	54	331	307	24
PETROLEUM	483	437	46	402	363	39	81	74	7
ENGINEERING, NEC.	5,407	3,050	2,357	2,509	1,651	858	2,898	1,399	1,499
PHYSICAL SCIENCES	24,702	23,505	1,197	21,721	20,943	778	2,981	2,562	419
ASTRONOMY	543	520	23	500	484	16	43	36	7
CHEMISTRY	14,411	13,808	603	12,435	12,051	384	1,976	1,757	219
PHYSICS	9,746	9,175	571	8,784	8,406	378	962	769	193
PHYSICAL SCIENCES, NEC.	2	2	0	2	2	0	0	0	0
ENVIRONMENTAL SCIENCES	11,154	9,597	1,557	9,234	8,001	1,233	1,920	1,596	324
ATMOSPHERIC SCIENCES	1,001	952	49	889	856	33	112	96	16
GEOSCIENCES	7,382	6,199	1,183	6,201	5,267	934	1,181	932	249
OCEANOGRAPHY	2,094	1,946	148	1,742	1,635	107	352	311	41
ENVIRONMENTAL SCIENCES, NEC.	677	500	177	402	243	159	275	257	18
MATHEMATICAL SCIENCES	20,004	16,078	3,926	13,485	11,593	1,892	6,519	4,485	2,034
COMPUTER SCIENCE	7,043	5,221	1,822	4,152	3,264	888	2,891	1,957	934
MATHEMATICS AND APPLIED MATHEMATICS	11,084	9,092	1,992	7,815	6,890	925	3,269	2,202	1,067
STATISTICS	1,877	1,765	112	1,518	1,439	79	359	326	33
LIFE SCIENCES	82,277	63,948	18,329	64,339	52,400	11,939	17,938	11,548	6,390
AGRICULTURAL SCIENCES	12,511	10,371	2,140	10,620	8,926	1,694	1,891	1,445	446
BIOLOGICAL SCIENCES	42,563	38,032	4,531	35,771	32,904	2,867	6,792	5,128	1,664
ANATOMY	1,145	1,145	0	1,043	1,043	0	102	102	0
BIOCHEMISTRY	3,756	3,733	23	3,535	3,513	22	221	220	1
BIOLOGY	11,592	9,008	2,584	8,861	7,295	1,566	2,731	1,713	1,018
BIOMETRY/EPIDEMIOLOGY	835	782	53	677	636	41	158	146	12
BIOPHYSICS	646	643	3	623	620	3	23	23	0
BOTANY	3,043	2,885	158	2,733	2,602	131	310	283	27
CELL BIOLOGY	619	619	0	584	584	0	35	35	0
ECOLOGY	988	948	40	860	849	11	128	99	29
ENTOMOLOGY/PARASITOLOGY	1,581	1,510	71	1,368	1,313	55	213	197	16
GENETICS	964	947	17	905	892	13	59	55	4
MICROBIOLOGY	4,099	3,902	197	3,579	3,434	145	520	468	52
NUTRITION	3,606	2,935	671	2,761	2,302	459	845	633	212
PATHOLOGY	1,163	1,061	102	948	910	38	215	151	64
PHARMACOLOGY	1,751	1,689	62	1,630	1,573	57	121	116	5
PHYSIOLOGY	2,143	2,106	37	1,986	1,977	9	157	129	28
ZOOLOGY	3,076	3,000	76	2,626	2,555	71	450	445	5
BIOSCIENCES, NEC.	1,556	1,119	437	1,052	806	246	504	313	191
HEALTH SCIENCES	27,203	15,545	11,658	17,948	10,570	7,378	9,255	4,975	4,280
ANESTHESIOLOGY	4	2	2	2	0	2	2	2	0
CARDIOLOGY	5	5	0	3	3	0	2	2	0
CLINICAL PHARMACOLOGY	16	5	11	16	5	11	0	0	0
DENTISTRY	1,431	435	996	1,194	318	876	237	117	120
ENDOCRINOLOGY	42	42	0	35	35	0	7	7	0
GASTROENTEROLOGY	8	8	0	8	8	0	0	0	0
HEMATOLOGY	18	5	13	7	5	2	11	0	11
NEUROLOGY	345	345	0	336	336	0	9	9	0
NURSING	9,774	4,738	5,036	5,050	2,189	2,861	4,724	2,549	2,175
OBSTETRICS/GYNECOLOGY	31	31	0	29	29	0	2	2	0
OPHTHALMOLOGY	10	9	1	7	7	0	3	2	1
OTORHINOLARYNGOLOGY	55	53	2	54	53	1	1	0	1
PEDIATRICS	107	78	29	98	72	26	9	6	3
PHARMACEUTICAL SCIENCES	2,334	2,094	240	1,551	1,353	198	783	741	42
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	4,139	3,172	967	3,012	2,522	490	1,127	650	477
PSYCHIATRY	227	209	18	173	163	10	54	46	8
PULMONARY DISEASE	17	17	0	17	17	0	0	0	0
RADIOLOGY	262	222	40	220	188	32	42	34	8
SPEECH PATHOLOGY/AUDIOLOGY	4,622	2,493	2,129	3,405	1,963	1,442	1,217	530	687
SURGERY	97	83	14	79	72	7	18	11	7
VETERINARY SCIENCES	813	686	127	630	556	74	183	130	53
CLINICAL MEDICINE, NEC.	860	311	549	717	260	457	143	51	92
HEALTH RELATED, NEC.	1,986	502	1,484	1,305	416	889	681	86	595
PSYCHOLOGY	27,797	25,490	2,307	21,130	19,560	1,570	6,667	5,930	737
SOCIAL SCIENCES	72,668	53,002	19,666	50,501	38,806	11,695	22,167	14,196	7,971
AGRICULTURAL ECONOMICS	2,325	2,036	289	2,043	1,793	250	282	243	39
ANTHROPOLOGY	6,178	5,355	823	4,958	4,326	632	1,220	1,029	191
ECONOMICS (EXCEPT AGRICULTURAL)	10,678	9,393	1,285	7,841	7,004	837	2,837	2,389	448
GEOGRAPHY	2,815	2,073	742	2,061	1,600	461	754	473	281
HISTORY AND PHILOSOPHY OF SCIENCE	300	290	10	257	257	0	43	33	10
LINGUISYICS	4,411	3,458	953	3,323	2,733	590	1,088	725	363
POLITICAL SCIENCE	20,886	14,974	5,912	12,030	9,240	2,790	8,856	5,734	3,122
SOCIOLOGY	11,935	7,974	3,961	8,551	6,349	2,202	3,384	1,625	1,759
SOCIOLOGY/ANTHROPOLOGY	1,333	1,021	312	784	575	209	549	446	103
SOCIAL SCIENCES, NEC.	11,807	6,428	5,379	8,653	4,929	3,724	3,154	1,499	1,655

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE 8-3. GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE, ENROLLMENT STATUS, LEVEL OF STUDY, INSTITUTIONAL CONTROL, AND SEX: 1977

FIELD OF SCIENCE	TOTAL	ENROLLMENT STATUS		LEVEL OF STUDY		INSTITUTIONAL CONTROL		SEX	
		FULL TIME	PART TIME	FIRST YEAR	BEYOND FIRST YEAR	PUBLIC	PRIVATE	MEN	WOMEN
TOTAL, ALL FIELDS	306,710	218,226	88,484	113,675	193,035	208,942	97,768	217,003	89,707
ENGINEERING	68,108	37,816	30,292	29,432	38,676	40,083	28,025	63,676	4,432
AERONAUTICAL	1,691	1,334	357	610	1,081	1,078	613	1,647	44
AGRICULTURAL	872	753	119	317	555	836	36	825	47
BIOMEDICAL	880	723	157	277	603	463	417	789	91
CHEMICAL	5,210	3,929	1,281	2,180	3,030	3,471	1,739	4,735	475
CIVIL	10,757	6,339	4,418	4,741	6,016	7,352	3,405	10,129	628
ELECTRICAL	16,156	8,232	7,924	7,577	8,579	9,032	7,124	15,478	678
ENGINEERING SCIENCE	2,297	1,538	759	754	1,543	1,856	441	2,180	117
INDUSTRIAL	12,177	4,083	8,094	5,930	6,247	4,611	7,566	10,984	1,193
MECHANICAL	7,568	4,400	3,168	3,237	4,331	4,782	2,786	7,344	224
METALLURGICAL/MATERIALS	2,543	1,959	584	756	1,787	1,512	1,031	2,364	179
MINING	571	450	121	205	366	485	86	542	29
NUCLEAR	1,496	1,165	331	469	1,027	1,109	387	1,441	55
PETROLEUM	483	402	81	181	302	332	151	466	17
ENGINEERING, NEC.	5,407	2,509	2,898	2,198	3,209	3,164	2,243	4,752	655
PHYSICAL SCIENCES	24,702	21,721	2,981	6,911	17,791	16,943	7,759	21,142	3,560
ASTRONOMY	543	500	43	136	407	361	182	477	66
CHEMISTRY	14,411	12,435	1,976	4,232	10,179	10,161	4,250	11,684	2,727
PHYSICS	9,746	8,784	962	2,543	7,203	6,419	3,327	8,981	765
PHYSICAL SCIENCES, NEC.	2	2	0	0	2	2	0	0	2
ENVIRONMENTAL SCIENCES	11,154	9,234	1,920	3,423	7,731	9,103	2,051	9,367	1,787
ATMOSPHERIC SCIENCES	1,001	889	112	333	668	938	63	919	82
GEOSCIENCES	7,382	6,201	1,181	2,332	5,050	5,825	1,557	6,141	1,241
OCEANOGRAPHY	2,094	1,742	352	533	1,561	1,694	400	1,751	343
ENVIRONMENTAL SCIENCES, NEC.	677	402	275	225	452	646	31	556	121
MATHEMATICAL SCIENCES	20,004	13,485	6,519	7,670	12,334	14,693	5,311	15,509	4,495
COMPUTER SCIENCE	7,043	4,152	2,891	2,959	4,084	5,307	1,736	5,819	1,224
MATHEMATICS AND APPLIED MATHEMATICS	11,084	7,815	3,269	4,144	6,940	7,837	3,247	8,277	2,807
STATISTICS	1,877	1,518	359	567	1,310	1,549	328	1,413	464
LIFE SCIENCES	82,277	64,339	17,938	31,159	51,118	63,311	18,966	47,052	35,225
AGRICULTURAL SCIENCES	12,511	10,620	1,891	4,547	7,964	12,179	332	10,216	2,295
BIOLOGICAL SCIENCES	42,563	35,771	6,792	13,015	29,548	31,291	11,272	27,882	14,681
ANATOMY	1,145	1,043	102	286	859	759	386	762	383
BIOCHEMISTRY	3,756	3,535	221	977	2,779	2,675	1,081	2,671	1,085
BIOLOGY	11,592	8,861	2,731	3,947	7,645	7,275	4,317	7,654	3,938
BIOMETRY/EPIDEMIOLOGY	835	677	158	258	577	569	266	506	329
BIOPHYSICS	646	623	23	131	515	336	310	516	130
BOTANY	3,043	2,733	310	837	2,206	2,837	206	2,117	926
CELL BIOLOGY	619	584	35	162	457	407	212	412	207
ECOLOGY	988	860	128	232	756	890	98	718	270
ENTOMOLOGY/PARASITOLOGY	1,581	1,368	213	449	1,132	1,521	60	1,310	271
GENETICS	964	905	59	267	697	730	234	544	420
MICROBIOLOGY	4,099	3,579	520	1,194	2,905	3,141	958	2,571	1,528
NUTRITION	3,606	2,761	845	1,450	2,156	2,858	748	1,417	2,189
PATHOLOGY	1,163	948	215	353	810	750	413	722	441
PHARMACOLOGY	1,751	1,630	121	456	1,295	1,145	606	1,289	462
PHYSIOLOGY	2,143	1,986	157	601	1,542	1,574	569	1,594	549
ZOOLOGY	3,076	2,626	450	808	2,268	2,897	179	2,159	917
BIOSCIENCES, NEC.	1,556	1,052	504	607	949	927	629	920	636
HEALTH SCIENCES	27,203	17,948	9,255	13,597	13,606	19,841	7,362	8,954	18,249
ANESTHESIOLOGY	4	2	2	4	0	2	2	3	1
CARDIOLOGY	5	3	2	1	4	2	3	4	1
CLINICAL PHARMACOLOGY	16	16	0	4	12	5	11	12	4
DENTISTRY	1,431	1,194	237	584	847	871	560	1,194	237
ENDOCRINOLOGY	42	35	7	12	30	37	5	29	13
GASTROENTEROLOGY	8	8	0	4	4	8	0	8	0
HEMATOLOGY	18	7	11	13	5	1	17	7	11
NEUROLOGY	345	336	9	79	266	187	158	246	99
NURSING	9,774	5,050	4,724	5,633	4,141	6,906	2,868	325	9,449
OBSTETRICS/GYNECOLOGY	31	29	2	15	16	17	14	20	11
OPHTHALMOLOGY	10	7	3	0	10	7	3	5	5
OTORHINOLARYNGOLOGY	55	54	1	19	36	31	24	34	21
PEDIATRICS	107	98	9	76	31	69	38	37	70
PHARMACEUTICAL SCIENCES	2,334	1,551	783	793	1,541	1,599	735	1,636	698
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	4,139	3,012	1,127	2,247	1,892	2,931	1,208	2,123	2,016
PSYCHIATRY	227	173	54	29	198	146	81	149	78
PULMONARY DISEASE	17	17	0	9	8	5	12	17	0
RADIOLOGY	262	220	42	89	173	250	12	211	51
SPEECH PATHOLOGY/AUDIOLOGY	4,622	3,405	1,217	2,185	2,437	4,068	554	808	3,814
SURGERY	97	79	18	25	72	68	29	83	14
VETERINARY SCIENCES	813	630	183	287	526	754	59	606	207
CLINICAL MEDICINE, NEC.	860	717	143	406	454	552	308	449	411
HEALTH RELATED, NEC.	1,986	1,305	681	1,083	903	1,325	661	948	1,038
PSYCHOLOGY	27,797	21,130	6,667	7,475	20,322	16,549	11,248	14,911	12,886
SOCIAL SCIENCES	72,668	50,501	22,167	27,605	45,063	48,260	24,408	45,346	27,322
AGRICULTURAL ECONOMICS	2,325	2,043	282	851	1,474	2,246	79	2,015	310
ANTHROPOLOGY	6,178	4,958	1,220	1,546	4,632	4,468	1,710	3,107	3,071
ECONOMICS (EXCEPT AGRICULTURAL)	10,678	7,841	2,837	3,641	7,037	6,313	4,365	8,697	1,981
GEOGRAPHY	2,815	2,061	754	948	1,867	2,550	265	2,085	730
HISTORY AND PHILOSOPHY OF SCIENCE	300	257	43	64	236	163	137	215	85
LINGUISTICS	4,411	3,323	1,088	1,731	2,680	3,297	1,114	1,882	2,529
POLITICAL SCIENCE	20,886	12,030	8,856	8,286	12,600	11,300	9,586	14,940	5,946
SOCIOLOGY	11,935	8,551	3,384	4,269	7,666	8,652	3,283	6,849	5,086
SOCIOLOGY/ANTHROPOLOGY	1,333	784	549	400	933	750	583	832	501
SOCIAL SCIENCES, NEC.	11,807	8,653	3,154	5,869	5,938	8,521	3,286	4,724	7,083

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-4. GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE, INSTITUTIONAL CONTROL, ENROLLMENT STATUS, AND LEVEL OF STUDY: 1977

FIELD OF SCIENCE	PUBLIC INSTITUTIONS					PRIVATE INSTITUTIONS				
	TOTAL	ENROLLMENT STATUS		LEVEL OF STUDY		TOTAL	ENROLLMENT STATUS		LEVEL OF STUDY	
		FULL TIME	PART TIME	FIRST YEAR	BEYOND FIRST YEAR		FULL TIME	PART TIME	FIRST YEAR	BEYOND FIRST YEAR
TOTAL, ALL FIELDS	208,942	158,040	50,902	77,661	131,281	97,768	60,186	37,582	36,014	61,754
ENGINEERING	40,083	26,015	14,068	17,164	22,919	28,025	11,801	16,224	12,268	15,757
AERONAUTICAL	1,078	827	251	402	676	613	507	106	208	405
AGRICULTURAL	836	717	119	305	531	36	36	0	12	24
BIOMEDICAL	463	400	63	155	308	417	323	94	122	295
CHEMICAL	3,471	2,692	779	1,420	2,051	1,739	1,237	502	760	979
CIVIL	7,352	4,686	2,666	3,377	3,975	3,405	1,653	1,752	1,364	2,041
ELECTRICAL	9,032	5,524	3,508	4,225	4,807	7,124	2,708	4,416	3,352	3,772
ENGINEERING SCIENCE	1,856	1,143	713	607	1,249	441	395	46	147	294
INDUSTRIAL	4,611	2,346	2,265	2,106	2,505	7,566	1,737	5,029	3,824	3,742
MECHANICAL	4,782	3,030	1,752	1,982	2,800	2,786	1,370	1,416	1,255	1,531
METALLURGICAL/MATERIALS	1,512	1,222	290	404	1,108	1,031	737	294	352	679
MINING	485	369	116	183	302	86	81	5	22	64
NUCLEAR	1,109	911	198	335	774	387	254	133	134	253
PETROLEUM	332	284	48	130	202	151	118	33	51	100
ENGINEERING, NEC.	3,164	1,864	1,300	1,533	1,631	2,243	645	1,598	665	1,578
PHYSICAL SCIENCES	16,943	15,176	1,767	4,811	12,132	7,759	6,545	1,214	2,100	5,659
ASTRONOMY	361	322	39	99	262	182	178	4	37	145
CHEMISTRY	10,161	9,042	1,119	2,961	7,200	4,250	3,393	857	1,271	2,979
PHYSICS	6,419	5,810	609	1,751	4,668	3,327	2,974	353	792	2,535
PHYSICAL SCIENCES, NEC.	2	2	0	0	2	0	0	0	0	0
ENVIRONMENTAL SCIENCES	9,103	7,470	1,633	2,819	6,284	2,051	1,764	287	604	1,447
ATMOSPHERIC SCIENCES	938	829	109	313	625	63	60	3	20	43
GEOSCIENCES	5,825	4,863	962	1,885	3,940	1,557	1,338	219	447	1,110
OCEANOGRAPHY	1,694	1,401	293	408	1,286	400	341	59	125	275
ENVIRONMENTAL SCIENCES, NEC.	646	377	269	213	433	31	25	6	12	19
MATHEMATICAL SCIENCES	14,693	10,431	4,262	5,445	9,248	5,311	3,054	2,257	2,225	3,086
COMPUTER SCIENCE	5,307	3,408	1,899	2,132	3,175	1,736	744	992	827	909
MATHEMATICS AND APPLIED MATHEMATICS	7,837	5,748	2,089	2,831	5,006	3,247	2,067	1,180	1,313	1,934
STATISTICS	1,549	1,275	274	482	1,067	328	243	85	85	243
LIFE SCIENCES	63,311	50,951	12,360	23,864	39,447	18,966	13,388	5,578	7,295	11,671
AGRICULTURAL SCIENCES	12,179	10,304	1,875	4,445	7,734	332	316	16	102	230
BIOLOGICAL SCIENCES	31,291	26,811	4,480	9,492	21,799	11,272	8,960	2,312	3,523	7,749
ANATOMY	759	695	64	186	573	386	348	38	100	286
BIOCHEMISTRY	2,675	2,500	175	703	1,972	1,081	1,035	46	274	807
BIOLOGY	7,275	5,911	1,364	2,528	4,747	4,317	2,950	1,367	1,419	2,898
BIOMETRY/EPIDEMIOLOGY	569	479	90	158	411	266	198	68	100	166
BIOPHYSICS	336	315	21	68	268	310	308	2	63	247
BOTANY	2,837	2,552	285	778	2,059	206	181	25	59	147
CELL BIOLOGY	407	381	26	105	302	212	203	9	57	155
ECOLOGY	890	776	114	209	681	98	84	14	23	75
ENTOMOLOGY/PARASITOLOGY	1,521	1,311	210	429	1,092	60	57	3	20	40
GENETICS	730	693	37	217	513	234	212	22	50	184
MICROBIOLOGY	3,141	2,746	395	912	2,229	958	833	125	282	676
NUTRITION	2,858	2,143	715	1,166	1,692	748	618	130	284	464
PATHOLOGY	750	610	140	238	512	413	338	75	115	298
PHARMACOLOGY	1,145	1,067	78	306	839	606	563	43	150	456
PHYSIOLOGY	1,574	1,447	127	424	1,150	569	539	30	177	392
ZOOLOGY	2,897	2,466	431	767	2,130	179	160	19	41	138
BIOSCIENCES, NEC.	927	719	208	298	629	629	333	296	309	320
HEALTH SCIENCES	19,841	13,836	6,005	9,927	9,914	7,362	4,112	3,250	3,670	3,692
ANESTHESIOLOGY	2	2	0	2	0	2	0	2	2	0
CARDIOLOGY	2	2	0	1	1	3	1	2	0	3
CLINICAL PHARMACOLOGY	5	5	0	4	1	11	11	0	0	11
DENTISTRY	871	752	119	345	526	560	442	118	239	321
ENDOCRINOLOGY	37	35	2	10	27	5	0	5	2	3
GASTROENTEROLOGY	8	8	0	4	4	0	0	0	0	0
HEMATOLOGY	1	1	0	0	1	17	6	11	13	4
NEUROLOGY	187	185	2	42	145	158	151	7	37	121
NURSING	6,906	3,740	3,166	4,049	2,857	2,868	1,310	1,558	1,584	1,284
OBSTETRICS/GYNECOLOGY	17	17	0	8	9	14	12	2	7	7
OPHTHALMOLOGY	7	6	1	0	7	3	1	2	0	3
OTORHINOLARYNGOLOGY	31	31	0	7	24	24	23	1	12	12
PEDIATRICS	69	67	2	52	17	38	31	7	24	14
PHARMACEUTICAL SCIENCES	1,599	1,383	216	531	1,068	735	168	567	262	473
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,931	2,262	669	1,594	1,337	1,208	750	458	653	555
PSYCHIATRY	146	105	41	23	123	81	68	13	6	75
PULMONARY DISEASE	5	5	0	2	3	12	12	0	7	5
RADIOLOGY	250	209	41	84	166	12	11	1	5	7
SPEECH PATHOLOGY/AUDIOLOGY	4,068	3,018	1,050	1,965	2,103	554	387	167	220	334
SURGERY	68	61	7	14	54	29	18	11	11	18
VETERINARY SCIENCES	754	571	183	270	484	59	59	0	17	42
CLINICAL MEDICINE, NEC.	552	440	112	256	296	308	277	31	150	158
HEALTH RELATED, NEC.	1,325	931	394	664	661	661	374	287	419	242
PSYCHOLOGY	16,549	13,397	3,152	4,442	12,107	11,248	7,733	3,515	3,033	8,215
SOCIAL SCIENCES	48,260	34,600	13,660	19,116	29,144	24,408	15,901	8,507	8,489	15,919
AGRICULTURAL ECONOMICS	2,246	1,964	282	829	1,417	79	79	0	22	57
ANTHROPOLOGY	4,468	3,611	857	1,108	3,360	1,710	1,347	363	438	1,272
ECONOMICS (EXCEPT AGRICULTURAL)	6,313	4,821	1,492	2,210	4,103	4,365	3,020	1,345	1,431	2,934
GEOGRAPHY	2,550	1,834	716	855	1,695	265	227	38	93	172
HISTORY AND PHILOSOPHY OF SCIENCE	163	135	28	38	125	137	122	15	26	111
LINGUISTICS	3,297	2,503	794	1,335	1,962	1,114	820	294	396	718
POLITICAL SCIENCE	11,300	6,850	4,450	4,779	6,521	9,586	5,180	4,406	3,507	6,079
SOCIOLOGY	8,652	6,126	2,526	3,230	5,422	3,283	2,425	858	1,039	2,244
SOCIOLOGY/ANTHROPOLOGY	750	519	231	234	516	583	265	318	166	417
SOCIAL SCIENCES, NEC.	8,521	6,237	2,284	4,498	4,023	3,286	2,416	870	1,371	1,915

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-5. GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY DIVISION, STATE, ENROLLMENT STATUS, AND SOURCE OF MAJOR SUPPORT: 1977

DIVISION AND STATE	TOTAL	FULL TIME						PART TIME	
		TOTAL		FEDERAL		NON-FEDERAL			
		NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
UNITED STATES TOTAL	306,710	218,226	71.2	50,308	23.1	167,918	76.9	88,484	28.8
NEW ENGLAND	22,252	16,786	75.4	4,970	29.6	11,816	70.4	5,466	24.6
CONNECTICUT	3,276	2,927	89.3	714	24.4	2,213	75.6	349	10.7
MAINE	469	378	80.6	117	31.0	261	69.0	91	19.4
MASSACHUSETTS	15,616	11,214	71.8	3,464	30.9	7,750	69.1	4,402	28.2
NEW HAMPSHIRE	735	644	87.6	157	24.4	487	75.6	91	12.4
RHODE ISLAND	1,669	1,273	76.3	431	33.9	842	66.1	396	23.7
VERMONT	487	350	71.9	87	24.9	263	75.1	137	28.1
MIDDLE ATLANTIC	53,946	31,453	58.3	7,089	22.5	24,364	77.5	22,493	41.7
NEW JERSEY	7,462	3,339	44.7	756	22.6	2,583	77.4	4,123	55.3
NEW YORK	32,435	19,220	59.3	3,942	20.5	15,278	79.5	13,215	40.7
PENNSYLVANIA	14,049	8,894	63.3	2,391	26.9	6,503	73.1	5,155	36.7
EAST NORTH CENTRAL	56,562	43,713	77.3	9,831	22.5	33,882	77.5	12,849	22.7
ILLINOIS	14,731	11,161	75.8	2,802	25.1	8,359	74.9	3,570	24.2
INDIANA	7,171	5,731	79.9	1,419	24.8	4,312	75.2	1,440	20.1
MICHIGAN	12,120	10,009	82.6	1,751	17.5	8,258	82.5	2,111	17.4
OHIO	14,751	10,640	72.1	2,126	20.0	8,514	80.0	4,111	27.9
WISCONSIN	7,789	6,172	79.2	1,733	28.1	4,439	71.9	1,617	20.8
WEST NORTH CENTRAL	22,619	16,918	74.8	3,632	21.5	13,286	78.5	5,701	25.2
IOWA	4,006	3,101	77.4	588	19.0	2,513	81.0	905	22.6
KANSAS	4,347	3,150	72.5	660	21.0	2,490	79.0	1,197	27.5
MINNESOTA	4,744	4,006	84.4	1,096	27.4	2,910	72.6	738	15.6
MISSOURI	6,109	4,249	69.6	889	20.9	3,360	79.1	1,860	30.4
NEBRASKA	2,017	1,329	65.9	199	15.0	1,130	85.0	688	34.1
NORTH DAKOTA	836	607	72.6	104	17.1	503	82.9	229	27.4
SOUTH DAKOTA	560	476	85.0	96	20.2	380	79.8	84	15.0
SOUTH ATLANTIC	44,442	29,298	65.9	6,385	21.8	22,913	78.2	15,144	34.1
DELAWARE	943	653	69.2	168	25.7	485	74.3	290	30.8
DISTRICT OF COLUMBIA	9,084	3,840	42.3	619	16.1	3,221	83.9	5,244	57.7
FLORIDA	7,212	4,976	69.0	1,195	24.0	3,781	76.0	2,236	31.0
GEORGIA	4,918	3,841	78.1	624	16.2	3,217	83.8	1,077	21.9
MARYLAND	5,757	3,486	60.6	888	25.5	2,598	74.5	2,271	39.4
NORTH CAROLINA	5,904	4,962	84.0	1,394	28.1	3,568	71.9	942	16.0
SOUTH CAROLINA	2,864	1,955	68.3	278	14.2	1,677	85.8	909	31.7
VIRGINIA	5,802	4,189	72.2	914	21.8	3,275	78.2	1,613	27.8
WEST VIRGINIA	1,958	1,396	71.3	305	21.8	1,091	78.2	562	28.7
EAST SOUTH CENTRAL	12,395	9,094	73.4	1,477	16.2	7,617	83.8	3,301	26.6
ALABAMA	2,892	1,956	67.6	385	19.7	1,571	80.3	936	32.4
KENTUCKY	2,514	1,813	72.1	275	15.2	1,538	84.8	701	27.9
MISSISSIPPI	1,858	1,482	79.8	228	15.4	1,254	84.6	376	20.2
TENNESSEE	5,131	3,843	74.9	589	15.3	3,254	84.7	1,288	25.1
WEST SOUTH CENTRAL	27,202	18,434	67.8	2,817	15.3	15,617	84.7	8,768	32.2
ARKANSAS	1,044	781	74.8	139	17.8	642	82.2	263	25.2
LOUISIANA	3,100	2,226	71.8	209	9.4	2,017	90.6	874	28.2
OKLAHOMA	3,726	2,677	71.8	559	20.9	2,118	79.1	1,049	28.2
TEXAS	19,332	12,750	66.0	1,910	15.0	10,840	85.0	6,582	34.0
MOUNTAIN	19,111	14,996	78.5	3,487	23.3	11,509	76.7	4,115	21.5
ARIZONA	4,735	3,416	72.1	686	20.1	2,730	79.9	1,319	27.9
COLORADO	5,922	5,065	85.5	1,409	27.8	3,656	72.2	857	14.5
IDAHO	1,192	792	66.4	135	17.0	657	83.0	400	33.6
MONTANA	763	717	94.0	136	19.0	581	81.0	46	6.0
NEVADA	489	366	74.8	87	23.8	279	76.2	123	25.2
NEW MEXICO	1,891	1,302	68.9	263	20.2	1,039	79.8	589	31.1
UTAH	3,444	2,743	79.6	609	22.2	2,134	77.8	701	20.4
WYOMING	675	595	88.1	162	27.2	433	72.8	80	11.9
PACIFIC	46,575	36,465	78.3	10,361	28.4	26,104	71.6	10,110	21.7
ALASKA	228	190	83.3	61	32.1	129	67.9	38	16.7
CALIFORNIA	35,819	27,327	76.3	7,877	28.8	19,450	71.2	8,492	23.7
HAWAII	1,543	1,373	89.0	400	29.1	973	70.9	170	11.0
OREGON	3,193	2,735	85.7	549	20.1	2,186	79.9	458	14.3
WASHINGTON	5,792	4,840	83.6	1,474	30.5	3,366	69.5	952	16.4
U.S. TERRITORIES	1,606	1,069	66.6	259	24.2	810	75.8	537	33.4

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-6. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE, LEVEL OF STUDY, CITIZENSHIP, AND SEX: 1977

FIELD OF SCIENCE	TOTAL	LEVEL OF STUDY		CITIZENSHIP		SEX	
		FIRST YEAR	BEYOND FIRST YEAR	U.S. CITIZENS	FOREIGN STUDENTS	MEN	WOMEN
TOTAL, ALL FIELDS	218,226	80,397	137,829	181,226	37,000	154,484	63,742
ENGINEERING	37,816	16,340	21,476	24,181	13,635	35,210	2,606
AERONAUTICAL	1,334	464	870	794	540	1,303	31
AGRICULTURAL	753	290	463	396	357	711	42
BIOMEDICAL	723	254	469	613	110	646	77
CHEMICAL	3,929	1,670	2,259	2,382	1,547	3,571	358
CIVIL	6,339	3,174	3,165	4,158	2,181	5,917	422
ELECTRICAL	8,232	3,529	4,703	5,239	2,993	7,863	369
ENGINEERING SCIENCE	1,538	508	1,030	990	548	1,456	82
INDUSTRIAL	4,083	2,013	2,070	2,608	1,475	3,574	509
MECHANICAL	4,400	1,993	2,407	2,753	1,647	4,284	116
METALLURGICAL/MATERIALS	1,959	588	1,371	1,183	776	1,816	143
MINING	450	175	275	269	181	422	28
NUCLEAR	1,165	390	775	774	391	1,119	46
PETROLEUM	402	160	242	146	256	389	13
ENGINEERING, NEC.	2,509	1,132	1,377	1,876	633	2,139	370
PHYSICAL SCIENCES	21,721	6,141	15,580	17,146	4,575	18,706	3,015
ASTRONOMY	500	123	377	439	61	440	60
CHEMISTRY	12,435	3,687	8,748	9,969	2,466	10,164	2,271
PHYSICS	8,784	2,331	6,453	6,736	2,048	8,102	682
PHYSICAL SCIENCES, NEC.	2	0	2	2	0	0	2
ENVIRONMENTAL SCIENCES	9,234	3,055	6,179	8,159	1,075	7,727	1,507
ATMOSPHERIC SCIENCES	889	310	579	751	138	813	76
GEOSCIENCES	6,201	2,121	4,080	5,544	657	5,167	1,034
OCEANOGRAPHY	1,742	456	1,286	1,483	259	1,445	297
ENVIRONMENTAL SCIENCES, NEC.	402	168	234	381	21	302	100
MATHEMATICAL SCIENCES	13,485	4,982	8,503	10,348	3,137	10,714	2,771
COMPUTER SCIENCE	4,152	1,710	2,442	3,164	988	3,490	662
MATHEMATICS AND APPLIED MATHEMATICS	7,815	2,786	5,029	6,207	1,608	6,062	1,753
STATISTICS	1,518	486	1,032	977	541	1,162	356
LIFE SCIENCES	64,339	24,123	40,216	57,398	6,941	39,424	24,915
AGRICULTURAL SCIENCES	10,620	4,093	6,327	8,583	2,037	8,616	2,004
BIOLOGICAL SCIENCES	35,771	10,832	24,939	32,229	3,542	23,887	11,884
ANATOMY	1,043	268	775	993	50	697	346
BIOCHEMISTRY	3,535	906	2,629	3,114	421	2,532	1,003
BIOLOGY	8,861	3,010	5,851	8,301	560	5,902	2,959
BIOMETRY/EPIDEMIOLOGY	677	222	455	594	83	423	254
BIOPHYSICS	623	127	496	527	96	495	128
BOTANY	2,733	775	1,958	2,391	342	1,888	845
CELL BIOLOGY	584	154	430	529	55	388	196
ECOLOGY	860	201	659	811	49	633	227
ENTOMOLOGY/PARASITOLOGY	1,368	397	971	1,136	232	1,134	234
GENETICS	905	251	654	801	104	520	385
MICROBIOLOGY	3,579	1,027	2,552	3,304	275	2,308	1,271
NUTRITION	2,761	1,135	1,626	2,083	678	1,201	1,560
PATHOLOGY	948	272	676	820	128	630	318
PHARMACOLOGY	1,630	421	1,209	1,476	154	1,195	435
PHYSIOLOGY	1,986	549	1,437	1,864	122	1,493	493
ZOOLOGY	2,626	712	1,914	2,504	122	1,844	782
BIOSCIENCES, NEC.	1,052	405	647	981	71	604	448
HEALTH SCIENCES	17,948	9,198	8,750	16,586	1,362	6,921	11,027
ANESTHESIOLOGY	2	2	0	2	0	1	1
CARDIOLOGY	3	1	2	3	0	2	1
CLINICAL PHARMACOLOGY	16	4	12	12	4	12	4
DENTISTRY	1,194	517	677	1,009	185	1,015	179
ENDOCRINOLOGY	35	10	25	32	3	23	12
GASTROENTEROLOGY	8	4	4	8	0	8	0
HEMATOLOGY	7	2	5	5	2	3	4
NEUROLOGY	336	79	257	312	24	238	98
NURSING	5,050	3,040	2,010	4,911	139	225	4,825
OBSTETRICS/GYNECOLOGY	29	15	14	24	5	19	10
OPHTHALMOLOGY	7	0	7	7	0	3	4
UTORHINOLARYNGOLOGY	54	19	35	50	4	33	21
PEDIATRICS	98	69	29	87	11	33	65
PHARMACEUTICAL SCIENCES	1,551	544	1,007	1,130	421	1,184	367
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	3,012	1,745	1,267	2,780	232	1,589	1,423
PSYCHIATRY	173	29	144	167	6	110	63
PULMONARY DISEASE	17	9	8	17	0	17	0
RADIOLOGY	220	79	141	194	26	180	40
SPEECH PATHOLOGY/AUDIOLOGY ..	3,405	1,748	1,657	3,351	54	657	2,748
SURGERY	79	22	57	72	7	65	14
VETERINARY SCIENCES	630	228	402	490	140	475	155
CLINICAL MEDICINE, NEC.	717	341	376	674	43	388	329
HEALTH RELATED, NEC.	1,305	691	614	1,249	56	641	664
PSYCHOLOGY	21,130	5,944	15,186	20,511	619	11,440	9,690
SOCIAL SCIENCES	50,501	19,812	30,689	43,483	7,018	31,263	19,238
AGRICULTURAL ECONOMICS	2,043	783	1,260	1,374	669	1,778	265
ANTHROPOLOGY	4,958	1,322	3,636	4,674	284	2,480	2,478
ECONOMICS (EXCEPT AGRICULTURAL)	7,841	2,854	4,987	5,155	2,686	6,422	1,419
GEOGRAPHY	2,061	784	1,277	1,812	249	1,504	557
HISTORY AND PHILOSOPHY OF SCIENCE	257	60	197	232	25	183	74
LINGUISTICS	3,323	1,371	1,952	2,808	515	1,484	1,839
POLITICAL SCIENCE	12,030	5,239	6,791	10,582	1,448	8,712	3,318
SOCIOLOGY	8,551	3,083	5,468	7,642	909	4,975	3,576
SOCIOLOGY/ANTHROPOLOGY	784	280	504	698	86	462	322
SOCIAL SCIENCES, NEC.	8,653	4,036	4,617	8,506	147	3,263	5,390

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-7. FULL-TIME GRADUATE STUDENTS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE, LEVEL OF STUDY, CITIZENSHIP, AND SEX: 1977

FIELD OF SCIENCE	TOTAL	LEVEL OF STUDY		CITIZENSHIP		SEX	
		FIRST YEAR	BEYOND FIRST YEAR	U.S. CITIZENS	FOREIGN STUDENTS	MEN	WOMEN
TOTAL, ALL FIELDS	158,040	58,952	99,088	132,407	25,633	112,376	45,664
ENGINEERING	26,015	11,242	14,773	16,793	9,222	24,272	1,743
AERONAUTICAL	827	298	529	516	311	813	14
AGRICULTURAL	717	278	439	372	345	676	41
BIOMEDICAL	400	144	256	332	68	354	46
CHEMICAL	2,692	1,117	1,575	1,635	1,057	2,437	255
CIVIL	4,686	2,346	2,340	3,143	1,543	4,397	289
ELECTRICAL	5,524	2,412	3,112	3,491	2,033	5,299	225
ENGINEERING SCIENCE	1,143	378	765	738	405	1,100	43
INDUSTRIAL	2,346	1,050	1,296	1,533	813	2,063	283
MECHANICAL	3,030	1,368	1,662	1,905	1,125	2,953	77
METALLURGICAL/MATERIALS	1,222	344	878	735	487	1,126	96
MINING	369	154	215	227	142	350	19
NUCLEAR	911	305	606	599	312	871	40
PETROLEUM	284	118	166	119	165	275	9
ENGINEERING, NEC.	1,864	930	934	1,448	416	1,558	306
PHYSICAL SCIENCES	15,176	4,388	10,788	12,107	3,069	13,117	2,059
ASTRONOMY	322	86	236	299	23	283	39
CHEMISTRY	9,042	2,699	6,343	7,320	1,722	7,477	1,565
PHYSICS	5,810	1,603	4,207	4,486	1,324	5,357	453
PHYSICAL SCIENCES, NEC.	2	0	2	2	0	0	2
ENVIRONMENTAL SCIENCES	7,470	2,548	4,922	6,692	778	6,238	1,232
ATMOSPHERIC SCIENCES	829	291	538	710	119	758	71
GEOSCIENCES	4,863	1,728	3,135	4,378	485	4,060	803
OCEANOGRAPHY	1,401	369	1,032	1,246	155	1,140	261
ENVIRONMENTAL SCIENCES, NEC.	377	160	217	358	19	280	97
MATHEMATICAL SCIENCES	10,431	3,887	6,544	8,053	2,378	8,256	2,175
COMPUTER SCIENCE	3,408	1,428	1,980	2,588	820	2,841	567
MATHEMATICS AND APPLIED MATHEMATICS	5,748	2,053	3,695	4,657	1,091	4,434	1,314
STATISTICS	1,275	406	869	808	467	981	294
LIFE SCIENCES	50,951	19,220	31,731	45,316	5,635	31,935	19,016
AGRICULTURAL SCIENCES	10,304	3,994	6,310	8,352	1,952	8,368	1,936
BIOLOGICAL SCIENCES	26,811	8,193	18,618	24,150	2,661	18,135	8,676
ANATOMY	695	172	523	662	33	477	218
BIOCHEMISTRY	2,500	650	1,850	2,187	313	1,818	682
BIOLOGY	5,911	2,086	3,825	5,566	345	4,000	1,911
BIOMETRY/EPIDEMIOLOGY	479	146	333	423	56	316	163
BIOPHYSICS	315	65	250	262	53	253	62
BOTANY	2,552	722	1,830	2,243	309	1,777	775
CELL BIOLOGY	381	98	283	351	30	244	137
ECOLOGY	776	181	595	743	33	581	195
ENTOMOLOGY/PARASITOLOGY	1,311	378	933	1,088	223	1,091	220
GENETICS	693	211	482	611	82	411	282
MICROBIOLOGY	2,746	793	1,953	2,528	218	1,798	948
NUTRITION	2,143	911	1,232	1,610	533	902	1,241
PATHOLOGY	610	182	428	530	80	409	201
PHARMACOLOGY	1,067	283	784	957	110	807	260
PHYSIOLOGY	1,447	388	1,059	1,358	89	1,087	360
ZOOLOGY	2,466	672	1,794	2,375	91	1,739	727
BIOSCIENCES, NEC.	719	255	464	656	63	425	294
HEALTH SCIENCES	13,836	7,033	6,803	12,814	1,022	5,432	8,404
ANESTHESIOLOGY	2	2	0	2	0	1	1
CARDIOLOGY	2	1	1	2	0	2	0
CLINICAL PHARMACOLOGY	5	4	1	5	0	4	1
DENTISTRY	752	310	442	628	124	641	111
ENDOCRINOLOGY	35	10	25	32	3	23	12
GASTROENTEROLOGY	8	4	4	8	0	8	0
HEMATOLOGY	1	0	1	1	0	0	1
NEUROLOGY	185	42	143	174	11	127	58
NURSING	3,740	2,251	1,489	3,675	65	181	3,559
OBSTETRICS/GYNECOLOGY	17	8	9	12	5	8	9
OPHTHALMOLOGY	6	0	6	6	0	2	4
OTORHINOLARYNGOLOGY	31	7	24	27	4	26	5
PEDIATRICS	67	50	17	64	3	27	40
PHARMACEUTICAL SCIENCES	1,383	469	914	996	387	1,062	321
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,262	1,315	947	2,100	162	1,256	1,006
PSYCHIATRY	105	23	82	99	6	69	36
PULMONARY DISEASE	5	2	3	5	0	5	0
RADIOLOGY	209	75	134	188	21	170	39
SPEECH PATHOLOGY/AUDIOLOGY	3,018	1,559	1,459	2,971	47	605	2,413
SURGERY	61	14	47	54	7	50	11
VETERINARY SCIENCES	571	211	360	459	112	425	146
CLINICAL MEDICINE, NEC.	440	200	240	409	31	269	171
HEALTH RELATED, NEC.	931	476	455	897	34	471	460
PSYCHOLOGY	13,397	3,721	9,676	13,055	342	7,317	6,080
SOCIAL SCIENCES	34,600	13,946	20,654	30,391	4,209	21,241	13,359
AGRICULTURAL ECONOMICS	1,964	761	1,203	1,323	641	1,712	252
ANTHROPOLOGY	3,611	973	2,638	3,431	180	1,865	1,746
ECONOMICS (EXCEPT AGRICULTURAL)	4,821	1,799	3,022	3,420	1,401	3,981	840
GEOGRAPHY	1,834	704	1,130	1,615	219	1,350	484
HISTORY AND PHILOSOPHY OF SCIENCE	135	35	100	120	15	99	36
LINGUISTICS	2,503	1,076	1,427	2,146	357	1,069	1,434
POLITICAL SCIENCE	6,850	3,064	3,786	6,143	707	4,950	1,900
SOCIOLOGY	6,126	2,277	3,849	5,557	569	3,645	2,481
SOCIOLOGY/ANTHROPOLOGY	519	186	333	474	45	302	217
SOCIAL SCIENCES, NEC.	6,237	3,071	3,166	6,162	75	2,268	3,969

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-8. FULL-TIME GRADUATE STUDENTS IN PRIVATELY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE, LEVEL OF STUDY, CITIZENSHIP, AND SEX: 1977

FIELD OF SCIENCE	TOTAL	LEVEL OF STUDY		CITIZENSHIP		SEX	
		FIRST YEAR	BEYOND FIRST YEAR	U.S. CITIZENS	FOREIGN STUDENTS	MEN	WOMEN
TOTAL, ALL FIELDS	60,186	21,445	38,741	48,819	11,367	42,108	18,078
ENGINEERING	11,801	5,098	6,703	7,388	4,413	10,938	863
AERONAUTICAL	507	166	341	278	229	490	17
AGRICULTURAL	36	12	24	24	12	35	1
BIOMEDICAL	323	110	213	281	42	292	31
CHEMICAL	1,237	553	684	747	490	1,134	103
CIVIL	1,653	828	825	1,015	638	1,520	133
ELECTRICAL	2,708	1,117	1,591	1,748	960	2,564	144
ENGINEERING SCIENCE	395	130	265	252	143	356	39
INDUSTRIAL	1,737	963	774	1,075	662	1,511	226
MECHANICAL	1,370	625	745	848	522	1,331	39
METALLURGICAL/MATERIALS	737	244	493	448	289	690	47
MINING	81	21	60	42	39	72	9
NUCLEAR	254	85	169	175	79	248	6
PETROLEUM	118	42	76	27	91	114	4
ENGINEERING, NEC.	645	202	443	428	217	581	64
PHYSICAL SCIENCES	6,545	1,753	4,792	5,039	1,506	5,589	956
ASTRONOMY	178	37	141	140	38	157	21
CHEMISTRY	3,393	988	2,405	2,649	744	2,687	706
PHYSICS	2,974	728	2,246	2,250	724	2,745	229
PHYSICAL SCIENCES, NEC.	0	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES	1,764	507	1,257	1,467	297	1,489	275
ATMOSPHERIC SCIENCES	60	19	41	41	19	55	5
GEOSCIENCES	1,338	393	945	1,166	172	1,107	231
OCEANOGRAPHY	341	87	254	237	104	305	36
ENVIRONMENTAL SCIENCES, NEC.	25	8	17	23	2	22	3
MATHEMATICAL SCIENCES	3,054	1,095	1,959	2,295	759	2,458	596
COMPUTER SCIENCE	744	282	462	576	168	649	95
MATHEMATICS AND APPLIED MATHEMATICS	2,067	733	1,334	1,550	517	1,628	439
STATISTICS	243	80	163	169	74	181	62
LIFE SCIENCES	13,388	4,903	8,485	12,082	1,306	7,489	5,899
AGRICULTURAL SCIENCES	316	99	217	231	85	248	68
BIOLOGICAL SCIENCES	8,960	2,639	6,321	8,079	881	5,752	3,208
ANATOMY	348	96	252	331	17	220	128
BIOCHEMISTRY	1,035	256	779	927	108	714	321
BIOLOGY	2,950	924	2,026	2,735	215	1,902	1,048
BIOMETRY/EPIDEMIOLOGY	198	76	122	171	27	107	91
BIOPHYSICS	308	62	246	265	43	242	66
BOTANY	181	53	128	148	33	111	70
CELL BIOLOGY	203	56	147	178	25	144	59
ECOLOGY	84	20	64	68	16	52	32
ENTOMOLOGY/PARASITOLOGY	57	19	38	48	9	43	14
GENETICS	212	40	172	190	22	109	103
MICROBIOLOGY	833	234	599	776	57	510	323
NUTRITION	618	224	394	473	145	299	319
PATHOLOGY	338	90	248	290	48	221	117
PHARMACOLOGY	563	138	425	519	44	388	175
PHYSIOLOGY	539	161	378	506	33	406	133
ZOOLOGY	160	40	120	129	31	105	55
BIOSCIENCES, NEC.	333	150	183	325	8	179	154
HEALTH SCIENCES	4,112	2,165	1,947	3,772	340	1,489	2,623
ANESTHESIOLOGY	0	0	0	0	0	0	0
CARDIOLOGY	1	0	1	1	0	0	1
CLINICAL PHARMACOLOGY	11	0	11	7	4	8	3
DENTISTRY	442	207	235	381	61	374	68
ENDOCRINOLOGY	0	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0	0
HEMATOLOGY	6	2	4	4	2	3	3
NEUROLOGY	151	37	114	138	13	111	40
NURSING	1,310	789	521	1,236	74	44	1,266
OBSTETRICS/GYNECOLOGY	12	7	5	12	0	11	1
OPHTHALMOLOGY	1	0	1	1	0	1	0
OTORHINOLARYNGOLOGY	23	12	11	23	0	7	16
PEDIATRICS	31	19	12	23	8	6	25
PHARMACEUTICAL SCIENCES	168	75	93	134	34	122	46
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	750	430	320	680	70	333	417
PSYCHIATRY	68	6	62	68	0	41	27
PULMONARY DISEASE	12	7	5	12	0	12	0
RADIOLOGY	11	4	7	6	5	10	1
SPEECH PATHOLOGY/AUDIOLOGY	387	189	198	380	7	52	335
SURGERY	18	8	10	18	0	15	3
VETERINARY SCIENCES	59	17	42	31	28	50	9
CLINICAL MEDICINE, NEC.	277	141	136	265	12	119	158
HEALTH RELATED, NEC.	374	215	159	352	22	170	204
PSYCHOLOGY	7,733	2,223	5,510	7,456	277	4,123	3,610
SOCIAL SCIENCES	15,901	5,866	10,035	13,092	2,809	10,022	5,879
AGRICULTURAL ECONOMICS	79	22	57	51	28	66	13
ANTHROPOLOGY	1,347	349	998	1,243	104	615	732
ECONOMICS (EXCEPT AGRICULTURAL)	3,020	1,055	1,965	1,735	1,285	2,441	579
GEOGRAPHY	227	80	147	197	30	154	73
HISTORY AND PHILOSOPHY OF SCIENCE	122	25	97	112	10	84	38
LINGUISTICS	820	295	525	662	158	415	405
POLITICAL SCIENCE	5,180	2,175	3,005	4,439	741	3,762	1,418
SOCIOLOGY	2,425	806	1,619	2,085	340	1,330	1,095
SOCIOLOGY/ANTHROPOLOGY	265	94	171	224	41	160	105
SOCIAL SCIENCES, NEC.	2,416	965	1,451	2,344	72	995	1,421

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-9. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE, SEX, AND LEVEL OF STUDY: 1977

FIELD OF SCIENCE	TOTAL			MEN			WOMEN		
	TOTAL	FIRST YEAR	BEYOND FIRST YEAR	TOTAL	FIRST YEAR	BEYOND FIRST YEAR	TOTAL	FIRST YEAR	BEYOND FIRST YEAR
TOTAL, ALL FIELDS	218,226	80,397	137,829	154,484	54,485	99,999	63,742	25,912	37,830
ENGINEERING	37,816	16,340	21,476	35,210	15,038	20,172	2,606	1,302	1,304
AERONAUTICAL	1,334	464	870	1,303	447	856	31	17	14
AGRICULTURAL	753	290	463	711	271	440	42	19	23
BIOMEDICAL	723	254	469	646	218	428	77	36	41
CHEMICAL	3,929	1,670	2,259	3,571	1,482	2,089	358	188	170
CIVIL	6,339	3,174	3,165	5,917	2,942	2,975	422	232	190
ELECTRICAL	8,232	3,529	4,703	7,863	3,347	4,516	369	182	187
ENGINEERING SCIENCE	1,538	508	1,030	1,456	472	984	82	36	46
INDUSTRIAL	4,083	2,013	2,070	3,574	1,757	1,817	509	256	253
MECHANICAL	4,400	1,993	2,407	4,284	1,934	2,350	116	59	57
METALLURGICAL/MATERIALS	1,959	588	1,371	1,816	524	1,292	143	64	79
MINING	450	175	275	422	160	262	28	15	13
NUCLEAR	1,165	390	775	1,119	373	746	46	17	29
PETROLEUM	402	160	242	389	152	237	13	8	5
ENGINEERING, NEC.	2,509	1,132	1,377	2,139	959	1,180	370	173	197
PHYSICAL SCIENCES	21,721	6,141	15,580	18,706	5,133	13,573	3,015	1,008	2,007
ASTRONOMY	500	123	377	440	105	335	60	18	42
CHEMISTRY	12,435	3,687	8,748	10,164	2,909	7,255	2,271	778	1,493
PHYSICS	8,784	2,331	6,453	8,102	2,119	5,983	682	212	470
PHYSICAL SCIENCES, NEC.	2	0	2	0	0	0	2	0	2
ENVIRONMENTAL SCIENCES	9,234	3,055	6,179	7,727	2,481	5,246	1,507	574	933
ATMOSPHERIC SCIENCES	889	310	579	813	281	532	76	29	47
GEOSCIENCES	6,201	2,121	4,080	5,167	1,720	3,447	1,034	401	633
OCEANOGRAPHY	1,742	456	1,286	1,445	366	1,079	297	90	207
ENVIRONMENTAL SCIENCES, NEC.	402	168	234	302	114	188	100	54	46
MATHEMATICAL SCIENCES	13,485	4,982	8,503	10,714	3,865	6,849	2,771	1,117	1,654
COMPUTER SCIENCE	4,152	1,710	2,442	3,490	1,419	2,071	662	291	371
MATHEMATICS AND APPLIED MATHEMATICS	7,815	2,786	5,029	6,062	2,086	3,976	1,753	700	1,053
STATISTICS	1,518	486	1,032	1,162	360	802	356	126	230
LIFE SCIENCES	64,339	24,123	40,216	39,424	13,021	26,403	24,915	11,102	13,813
AGRICULTURAL SCIENCES	10,620	4,093	6,527	8,616	3,233	5,383	2,004	860	1,144
BIOLOGICAL SCIENCES	35,771	10,832	24,939	23,887	6,777	17,110	11,884	4,055	7,829
ANATOMY	1,043	268	775	697	179	518	346	89	257
BIOCHEMISTRY	3,535	906	2,629	2,532	653	1,879	1,003	253	750
BIOLOGY	8,861	3,010	5,851	5,902	1,936	3,966	2,959	1,074	1,885
BIOMETRY/EPIDEMIOLOGY	677	222	455	423	141	282	254	81	173
BIOPHYSICS	623	127	496	495	99	396	128	28	100
BOTANY	2,733	775	1,958	1,888	499	1,389	845	276	569
CELL BIOLOGY	584	154	430	388	96	292	196	58	138
ECOLOGY	860	201	659	633	134	499	227	67	160
ENTOMOLOGY/PARASITOLOGY	1,368	397	971	1,134	307	827	234	90	144
GENETICS	905	251	654	520	138	382	385	113	272
MICROBIOLOGY	3,579	1,027	2,552	2,308	622	1,686	1,271	405	866
NUTRITION	2,761	1,135	1,626	1,201	414	787	1,560	721	839
PATHOLOGY	948	272	676	630	178	452	318	94	224
PHARMACOLOGY	1,630	421	1,209	1,195	298	897	435	123	312
PHYSIOLOGY	1,986	549	1,437	1,493	402	1,091	493	147	346
ZOOLOGY	2,626	712	1,914	1,844	469	1,375	782	243	539
BIOSCIENCES, NEC.	1,052	405	647	604	212	392	448	193	255
HEALTH SCIENCES	17,948	9,198	8,750	6,921	3,011	3,910	11,027	6,187	4,840
ANESTHESIOLOGY	2	2	0	1	1	0	1	1	0
CARDIOLOGY	3	1	2	2	1	1	1	0	1
CLINICAL PHARMACOLOGY	16	4	12	12	4	8	4	0	4
DENTISTRY	1,194	517	677	1,015	429	586	179	88	91
ENDOCRINOLOGY	35	10	25	23	5	18	12	5	7
GASTROENTEROLOGY	8	4	4	8	4	4	0	0	0
HEMATOLOGY	7	2	5	3	1	2	4	1	3
NEUROLOGY	336	79	257	238	48	190	98	31	67
NURSING	5,050	3,040	2,010	225	157	68	4,825	2,883	1,942
OBSTETRICS/GYNECOLOGY	29	15	14	19	10	9	10	5	5
OPHTHALMOLOGY	7	0	7	3	0	3	4	0	4
OTORHINOLARYNGOLOGY	54	19	35	33	8	25	21	11	10
PEDIATRICS	98	69	29	33	20	13	65	49	16
PHARMACEUTICAL SCIENCES	1,551	544	1,007	1,184	393	791	367	151	216
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	3,012	1,745	1,267	1,589	918	671	1,423	827	596
PSYCHIATRY	173	29	144	110	21	89	63	8	55
PULMONARY DISEASE	17	9	8	17	9	8	0	0	0
RADIOLOGY	220	79	141	180	66	114	40	13	27
SPEECH PATHOLOGY/AUDIOLOGY	3,405	1,748	1,657	657	212	445	2,748	1,536	1,212
SURGERY	79	22	57	65	19	46	14	3	11
VETERINARY SCIENCES	630	228	402	475	158	317	155	70	85
CLINICAL MEDICINE, NEC.	717	341	376	388	170	218	329	171	158
HEALTH RELATED, NEC.	1,305	691	614	641	357	284	664	334	330
PSYCHOLOGY	21,130	5,944	15,186	11,440	3,085	8,355	9,690	2,859	6,831
SOCIAL SCIENCES	50,501	19,812	30,689	31,263	11,862	19,401	19,238	7,950	11,288
AGRICULTURAL ECONOMICS	2,043	783	1,260	1,778	665	1,113	265	118	147
ANTHROPOLOGY	4,958	1,322	3,636	2,480	644	1,836	2,478	678	1,800
ECONOMICS (EXCEPT AGRICULTURAL)	7,841	2,854	4,987	6,422	2,263	4,159	1,419	591	828
GEOGRAPHY	2,061	784	1,277	1,504	570	934	557	214	343
HISTORY AND PHILOSOPHY OF SCIENCE	257	60	197	183	42	141	74	18	56
LINGUISTICS	3,323	1,371	1,952	1,484	592	892	1,839	779	1,060
POLITICAL SCIENCE	12,030	5,239	6,791	8,712	3,685	5,027	3,318	1,554	1,764
SOCIOLOGY	8,551	3,083	5,468	4,975	1,766	3,209	3,576	1,317	2,259
SOCIOLOGY/ANTHROPOLOGY	784	280	504	462	146	316	322	134	188
SOCIAL SCIENCES, NEC.	8,653	4,036	4,617	3,263	1,489	1,774	5,390	2,547	2,843

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE 8-10. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY SEX, SOURCE OF MAJOR SUPPORT, AND AREA OF SCIENCE: 1977

SOURCE OF MAJOR SUPPORT AND SEX	TOTAL	ENGINEERING	PHYSICAL SCIENCES	ENVIRONMENTAL SCIENCES	MATHEMATICAL SCIENCES	LIFE SCIENCES	PSYCHOLOGY	SOCIAL SCIENCES
TOTAL:								
TOTAL, ALL SOURCES OF SUPPORT ..	218,226	37,816	21,721	9,234	13,485	64,339	21,130	50,501
FEDERAL, TOTAL	50,308	10,750	6,598	2,996	1,222	19,030	3,891	5,821
DEPARTMENT OF DEFENSE	5,025	2,829	642	381	354	347	157	315
DEPARTMENT OF HEW, TOTAL	21,068	973	1,320	194	137	13,318	2,000	2,326
NATIONAL INST OF HEALTH	11,080	549	1,209	52	117	7,456	1,222	475
OTHER HEW	9,988	424	111	142	20	5,862	1,578	1,851
NATIONAL SCIENCE FOUNDATION ..	9,054	2,535	2,730	1,206	510	1,306	222	545
ALL OTHER FEDERAL	15,161	4,413	1,906	1,215	221	4,059	712	2,635
INSTITUTIONAL SUPPORT	80,508	10,726	12,197	3,373	7,924	21,584	7,392	17,312
OTHER OUTSIDE SUPPORT, TOTAL ...	18,441	5,314	1,352	711	744	5,460	1,296	3,564
ALL OTHER U.S. SOURCES	11,497	3,320	955	389	399	3,223	1,191	2,020
FOREIGN SOURCES	6,944	1,994	397	322	345	2,237	105	1,544
SELF-SUPPORT	68,969	11,026	1,574	2,154	3,595	18,265	8,551	23,804
MEN:								
TOTAL, ALL SOURCES OF SUPPORT ..	154,484	35,210	18,706	7,727	10,714	39,424	11,440	31,263
FEDERAL, TOTAL	35,811	10,154	5,864	2,568	1,097	10,351	2,128	3,649
DEPARTMENT OF DEFENSE	4,670	2,740	590	353	328	260	122	277
DEPARTMENT OF HEW, TOTAL	10,926	890	1,081	162	116	6,245	1,428	1,004
NATIONAL INST OF HEALTH	7,540	506	982	42	97	5,048	630	235
OTHER HEW	3,386	384	99	120	19	1,197	798	769
NATIONAL SCIENCE FOUNDATION ..	7,805	2,406	2,457	1,020	460	915	146	401
ALL OTHER FEDERAL	12,410	4,118	1,736	1,033	193	2,931	432	1,967
INSTITUTIONAL SUPPORT	58,782	9,930	10,306	2,700	6,152	14,567	4,075	11,052
OTHER OUTSIDE SUPPORT, TOTAL ...	14,949	5,003	1,187	623	623	4,180	718	2,615
ALL OTHER U.S. SOURCES	8,834	3,080	836	323	321	2,324	653	1,297
FOREIGN SOURCES	6,115	1,923	351	300	302	1,856	65	1,318
SELF-SUPPORT	44,942	10,123	1,349	1,836	2,842	10,326	4,519	13,947
WOMEN:								
TOTAL, ALL SOURCES OF SUPPORT ..	63,742	2,606	3,015	1,507	2,771	24,915	9,690	19,238
FEDERAL, TOTAL	14,497	596	734	428	125	8,679	1,763	2,172
DEPARTMENT OF DEFENSE	355	89	52	28	26	87	35	38
DEPARTMENT OF HEW, TOTAL	10,142	83	239	32	21	7,073	1,372	1,322
NATIONAL INST OF HEALTH	3,540	43	227	10	20	2,408	592	240
OTHER HEW	6,602	40	12	22	1	4,665	780	1,082
NATIONAL SCIENCE FOUNDATION ..	1,249	129	273	186	50	391	76	144
ALL OTHER FEDERAL	2,751	295	170	182	28	1,128	280	668
INSTITUTIONAL SUPPORT	21,726	796	1,891	673	1,772	7,017	3,317	6,260
OTHER OUTSIDE SUPPORT, TOTAL ...	3,492	311	165	88	121	1,280	578	949
ALL OTHER U.S. SOURCES	2,663	240	119	66	78	899	538	723
FOREIGN SOURCES	829	71	46	22	43	381	40	226
SELF-SUPPORT	24,027	903	225	318	753	7,939	4,032	9,857

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-11. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY LEVEL OF STUDY AND SOURCE AND TYPE OF MAJOR SUPPORT: 1977

SOURCE OF MAJOR SUPPORT AND LEVEL OF STUDY	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL:					
TOTAL, ALL SOURCES OF SUPPORT ..	218,226	39,414	43,991	48,837	85,984
FEDERAL, TOTAL	50,308	19,745	25,155	606	4,802
DEPARTMENT OF DEFENSE	5,025	491	2,643	0	1,891
DEPARTMENT OF HEW, TOTAL	21,068	14,879	5,265	304	620
NATIONAL INST OF HEALTH	11,080	6,385	4,320	130	245
OTHER HEW	9,988	8,494	945	174	375
NATIONAL SCIENCE FOUNDATION ..	9,054	1,832	7,043	35	144
ALL OTHER FEDERAL	15,161	2,543	10,204	267	2,147
INSTITUTIONAL SUPPORT	80,508	11,899	14,206	47,923	6,478
OTHER OUTSIDE SUPPORT, TOTAL ...	18,441	7,770	4,628	308	5,735
ALL OTHER U.S. SOURCES	11,497	3,980	4,292	308	2,917
FOREIGN SOURCES	6,944	3,790	336	0	2,818
SELF-SUPPORT	68,969	0	0	0	68,969
FIRST YEAR:					
TOTAL, ALL SOURCES OF SUPPORT ..	80,397	15,030	11,168	17,078	37,121
FEDERAL, TOTAL	14,814	7,396	4,983	189	2,246
DEPARTMENT OF DEFENSE	1,749	241	564	0	944
DEPARTMENT OF HEW, TOTAL	6,745	5,632	774	95	244
NATIONAL INST OF HEALTH	2,050	1,412	553	25	60
OTHER HEW	4,695	4,220	221	70	184
NATIONAL SCIENCE FOUNDATION ..	1,690	515	1,139	14	22
ALL OTHER FEDERAL	4,630	1,008	2,506	80	1,036
INSTITUTIONAL SUPPORT	28,979	4,920	4,902	16,765	2,392
OTHER OUTSIDE SUPPORT, TOTAL ...	6,290	2,714	1,283	124	2,169
ALL OTHER U.S. SOURCES	3,470	1,190	1,175	124	981
FOREIGN SOURCES	2,820	1,524	108	0	1,188
SELF-SUPPORT	30,314	0	0	0	30,314
BEYOND FIRST YEAR:					
TOTAL, ALL SOURCES OF SUPPORT ..	137,829	24,384	32,823	31,759	48,863
FEDERAL, TOTAL	35,494	12,349	20,172	417	2,556
DEPARTMENT OF DEFENSE	3,276	250	2,079	0	947
DEPARTMENT OF HEW, TOTAL	14,323	9,247	4,491	209	376
NATIONAL INST OF HEALTH	9,030	4,973	3,767	105	185
OTHER HEW	5,293	4,274	724	104	191
NATIONAL SCIENCE FOUNDATION ..	7,364	1,317	5,904	21	122
ALL OTHER FEDERAL	10,531	1,535	7,698	187	1,111
INSTITUTIONAL SUPPORT	51,529	6,979	9,306	31,158	4,086
OTHER OUTSIDE SUPPORT, TOTAL ...	12,151	5,056	3,345	184	3,566
ALL OTHER U.S. SOURCES	8,027	2,790	3,117	184	1,936
FOREIGN SOURCES	4,124	2,266	228	0	1,630
SELF-SUPPORT	38,655	0	0	0	38,655

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-12. FULL-TIME GRADUATE STUDENTS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS, BY LEVEL OF STUDY AND SOURCE AND TYPE OF MAJOR SUPPORT: 1977

SOURCE OF MAJOR SUPPORT AND LEVEL OF STUDY	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL:					
TOTAL, ALL SOURCES OF SUPPORT ..	158,040	22,389	34,183	39,659	61,809
FEDERAL, TOTAL	34,983	12,577	18,290	449	3,667
DEPARTMENT OF DEFENSE	3,559	321	1,582	0	1,656
DEPARTMENT OF HEW, TOTAL	14,390	9,694	3,995	239	462
NATIONAL INST OF HEALTH	7,005	3,444	3,266	98	197
OTHER HEW	7,385	6,250	729	141	265
NATIONAL SCIENCE FOUNDATION ..	5,644	765	4,719	29	131
ALL OTHER FEDERAL	11,390	1,797	7,994	181	1,418
INSTITUTIONAL SUPPORT	61,611	5,434	12,338	38,959	4,880
OTHER OUTSIDE SUPPORT, TOTAL ...	12,225	4,378	3,555	251	4,041
ALL OTHER U.S. SOURCES	7,821	2,199	3,282	251	2,089
FOREIGN SOURCES	4,404	2,179	273	0	1,952
SELF-SUPPORT	49,221	0	0	0	49,221
FIRST YEAR:					
TOTAL, ALL SOURCES OF SUPPORT ..	58,952	8,669	9,084	14,074	27,125
FEDERAL, TOTAL	10,577	5,001	3,827	153	1,596
DEPARTMENT OF DEFENSE	1,330	133	357	0	840
DEPARTMENT OF HEW, TOTAL	4,810	3,927	627	75	181
NATIONAL INST OF HEALTH	1,292	768	451	21	52
OTHER HEW	3,518	3,159	176	54	129
NATIONAL SCIENCE FOUNDATION ..	1,068	213	819	14	22
ALL OTHER FEDERAL	3,369	728	2,024	64	553
INSTITUTIONAL SUPPORT	22,005	2,160	4,240	13,821	1,784
OTHER OUTSIDE SUPPORT, TOTAL ...	4,043	1,508	1,017	100	1,418
ALL OTHER U.S. SOURCES	2,294	639	928	100	627
FOREIGN SOURCES	1,749	869	89	0	791
SELF-SUPPORT	22,327	0	0	0	22,327
BEYOND FIRST YEAR:					
TOTAL, ALL SOURCES OF SUPPORT ..	99,088	13,720	25,099	25,585	34,684
FEDERAL, TOTAL	24,406	7,576	14,463	296	2,071
DEPARTMENT OF DEFENSE	2,229	188	1,225	0	816
DEPARTMENT OF HEW, TOTAL	9,580	5,767	3,368	164	281
NATIONAL INST OF HEALTH	5,713	2,676	2,815	77	145
OTHER HEW	3,867	3,091	553	87	136
NATIONAL SCIENCE FOUNDATION ..	4,576	552	3,900	15	109
ALL OTHER FEDERAL	8,021	1,069	5,970	117	865
INSTITUTIONAL SUPPORT	39,606	3,274	8,098	25,138	3,096
OTHER OUTSIDE SUPPORT, TOTAL ...	8,182	2,870	2,538	151	2,623
ALL OTHER U.S. SOURCES	5,527	1,560	2,354	151	1,462
FOREIGN SOURCES	2,655	1,310	184	0	1,161
SELF-SUPPORT	26,894	0	0	0	26,894

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-13. FULL-TIME GRADUATE STUDENTS IN PRIVATELY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS, BY LEVEL OF STUDY AND SOURCE AND TYPE OF MAJOR SUPPORT: 1977

SOURCE OF MAJOR SUPPORT AND LEVEL OF STUDY	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL:					
TOTAL, ALL SOURCES OF SUPPORT ..	40,186	17,025	9,808	9,178	24,175
FEDERAL, TOTAL	15,325	7,168	6,865	157	1,135
DEPARTMENT OF DEFENSE	1,466	170	1,061	0	235
DEPARTMENT OF HEW, TOTAL	6,678	5,185	1,270	65	158
NATIONAL INST OF HEALTH	4,075	2,941	1,054	32	48
OTHER HEW	2,603	2,244	216	33	110
NATIONAL SCIENCE FOUNDATION ..	3,410	1,067	2,324	6	13
ALL OTHER FEDERAL	3,771	746	2,210	86	729
INSTITUTIONAL SUPPORT	18,897	6,465	1,870	8,964	1,598
OTHER OUTSIDE SUPPORT, TOTAL ...	6,216	3,392	1,073	57	1,694
ALL OTHER U.S. SOURCES	3,676	1,781	1,010	57	828
FOREIGN SOURCES	2,540	1,611	63	0	866
SELF-SUPPORT	19,748	0	0	0	19,748
FIRST YEAR:					
TOTAL, ALL SOURCES OF SUPPORT ..	21,445	6,361	2,084	3,004	9,996
FEDERAL, TOTAL	4,237	2,395	1,156	36	650
DEPARTMENT OF DEFENSE	419	108	207	0	104
DEPARTMENT OF HEW, TOTAL	1,935	1,705	147	20	63
NATIONAL INST OF HEALTH	758	644	102	4	8
OTHER HEW	1,177	1,061	45	16	55
NATIONAL SCIENCE FOUNDATION ..	622	302	320	0	0
ALL OTHER FEDERAL	1,261	280	482	16	483
INSTITUTIONAL SUPPORT	6,974	2,760	662	2,944	608
OTHER OUTSIDE SUPPORT, TOTAL ...	2,247	1,206	266	24	751
ALL OTHER U.S. SOURCES	1,176	551	247	24	354
FOREIGN SOURCES	1,071	655	19	0	397
SELF-SUPPORT	7,987	0	0	0	7,987
BEYOND FIRST YEAR:					
TOTAL, ALL SOURCES OF SUPPORT ..	38,741	10,664	7,724	6,174	14,179
FEDERAL, TOTAL	11,088	4,773	5,709	121	485
DEPARTMENT OF DEFENSE	1,047	62	854	0	131
DEPARTMENT OF HEW, TOTAL	4,743	3,480	1,123	45	95
NATIONAL INST OF HEALTH	3,317	2,297	952	28	40
OTHER HEW	1,426	1,183	171	17	55
NATIONAL SCIENCE FOUNDATION ..	2,788	765	2,004	6	13
ALL OTHER FEDERAL	2,510	466	1,728	70	246
INSTITUTIONAL SUPPORT	11,923	3,705	1,208	6,020	990
OTHER OUTSIDE SUPPORT, TOTAL ...	3,969	2,186	807	33	943
ALL OTHER U.S. SOURCES	2,500	1,230	763	33	474
FOREIGN SOURCES	1,469	956	44	0	469
SELF-SUPPORT	11,761	0	0	0	11,761

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-14. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1977

FIELD OF SCIENCE	TOTAL	FELLOWSHIPS AND TRAINEESHIPS		RESEARCH ASSISTANTSHIPS		TEACHING ASSISTANTSHIPS		OTHER TYPES OF SUPPORT	
		NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS	218,226	39,414	18.1	43,991	20.2	48,837	22.4	85,984	39.4
ENGINEERING	37,816	4,775	12.6	11,939	31.6	5,879	15.5	15,223	40.3
AERONAUTICAL	1,334	144	10.8	574	43.0	168	12.6	448	33.6
AGRICULTURAL	753	99	13.1	374	49.7	46	6.1	234	31.1
BIOMEDICAL	723	135	18.7	180	24.9	68	9.4	340	47.0
CHEMICAL	3,929	788	20.1	1,450	36.9	713	18.1	978	24.9
CIVIL	6,339	775	12.2	1,960	30.9	939	14.8	2,665	42.0
ELECTRICAL	8,232	770	9.4	2,412	29.3	1,551	18.8	3,499	42.5
ENGINEERING SCIENCE	1,538	169	11.0	519	33.7	294	19.1	556	36.2
INDUSTRIAL	4,083	517	12.7	584	14.3	538	13.2	2,444	59.9
MECHANICAL	4,400	427	9.7	1,528	34.7	852	19.4	1,593	36.2
METALLURGICAL/MATERIALS	1,959	257	13.1	1,159	59.2	215	11.0	328	16.7
MINING	450	178	39.6	130	28.9	39	8.7	103	22.9
NUCLEAR	1,165	202	17.3	508	43.6	114	9.8	341	29.3
PETROLEUM	402	133	33.1	134	33.3	32	8.0	103	25.6
ENGINEERING, NEC.	2,509	181	7.2	427	17.0	310	12.4	1,591	63.4
PHYSICAL SCIENCES	21,721	2,518	11.6	6,763	31.1	10,116	46.6	2,324	10.7
ASTRONOMY	500	94	18.8	197	39.4	145	29.0	64	12.8
CHEMISTRY	12,435	1,420	11.4	3,534	28.4	6,430	51.7	1,051	8.5
PHYSICS	8,784	1,004	11.4	3,032	34.5	3,541	40.3	1,207	13.7
PHYSICAL SCIENCES, NEC.	2	0	.0	0	.0	0	.0	2	100.0
ENVIRONMENTAL SCIENCES	9,234	1,103	11.9	3,151	34.1	2,118	22.9	2,862	31.0
ATMOSPHERIC SCIENCES	889	60	6.7	497	55.9	86	9.7	246	27.7
GEOSCIENCES	6,201	887	14.3	1,615	26.0	1,785	28.8	1,914	30.9
OCEANOGRAPHY	1,742	128	7.3	905	52.0	160	9.2	549	31.5
ENVIRONMENTAL SCIENCES, NEC.	402	28	7.0	134	33.3	87	21.6	153	38.1
MATHEMATICAL SCIENCES	13,485	1,239	9.2	1,440	10.7	6,288	46.6	4,518	33.5
COMPUTER SCIENCE	4,152	283	6.8	748	18.0	961	23.1	2,160	52.0
MATHEMATICS AND APPLIED MATHEMATICS	7,815	811	10.4	378	4.8	4,777	61.1	1,849	23.7
STATISTICS	1,518	145	9.6	314	20.7	550	36.2	509	33.5
LIFE SCIENCES	64,339	16,577	25.8	13,252	20.6	11,651	18.1	22,859	35.5
AGRICULTURAL SCIENCES	10,620	904	8.5	4,491	42.3	1,016	9.6	4,209	39.6
BIOLOGICAL SCIENCES	35,771	8,367	23.4	7,734	21.6	9,099	25.4	10,571	29.6
ANATOMY	1,043	303	29.1	95	9.1	313	30.0	332	31.8
BIOCHEMISTRY	3,535	1,158	32.8	1,238	35.0	617	17.5	522	14.8
BIOLOGY	8,861	1,575	17.8	980	11.1	3,381	38.2	2,925	33.0
BIOMETRY/EPIDEMIOLOGY	677	289	42.7	85	12.6	38	5.6	265	39.1
BIOPHYSICS	623	306	49.1	173	27.8	37	5.9	107	17.2
BOTANY	2,733	231	8.5	916	33.5	811	29.7	775	28.4
CELL BIOLOGY	584	327	56.0	122	20.9	92	15.8	43	7.4
ECOLOGY	860	103	12.0	226	26.3	235	27.3	296	34.4
ENTOMOLOGY/PARASITOLOGY	1,368	87	6.4	664	48.5	148	10.8	469	34.3
GENETICS	905	419	46.3	159	17.6	144	15.9	183	20.2
MICROBIOLOGY	3,579	992	27.7	739	20.6	932	26.0	916	25.6
NUTRITION	2,761	408	14.8	986	35.7	268	9.7	1,099	39.8
PATHOLOGY	948	338	35.7	99	10.4	54	5.7	457	48.2
PHARMACOLOGY	1,630	723	44.4	300	18.4	199	12.2	408	25.0
PHYSIOLOGY	1,986	609	30.7	427	21.5	382	19.2	568	28.6
ZOOLOGY	2,626	235	8.9	438	16.7	1,269	48.3	684	26.0
BIOSCIENCES, NEC.	1,052	264	25.1	87	8.3	179	17.0	522	49.6
HEALTH SCIENCES	17,948	7,306	40.7	1,027	5.7	1,536	8.6	8,079	45.0
ANESTHESIOLOGY	2	1	50.0	0	.0	0	.0	1	50.0
CARDIOLOGY	3	3	100.0	0	.0	0	.0	0	.0
CLINICAL PHARMACOLOGY	16	13	81.3	0	.0	0	.0	3	18.8
DENTISTRY	1,194	193	16.2	14	1.2	175	14.7	812	68.0
ENDOCRINOLOGY	35	11	31.4	3	8.6	5	14.3	16	45.7
GASTROENTEROLOGY	8	8	100.0	0	.0	0	.0	0	.0
HEMATOLOGY	7	1	14.3	4	57.1	0	.0	2	28.6
NEUROLOGY	336	202	60.1	47	14.0	21	6.3	66	19.6
NURSING	5,050	3,595	71.2	27	.5	142	2.8	1,286	25.5
OBSTETRICS/GYNECOLOGY	29	20	69.0	7	24.1	0	.0	2	6.9
OPHTHALMOLOGY	7	6	85.7	1	14.3	0	.0	0	.0
OTORHINOLARYNGOLOGY	54	25	46.3	6	11.1	3	5.6	20	37.0
PEDIATRICS	98	61	62.2	2	2.0	0	.0	35	35.7
PHARMACEUTICAL SCIENCES	1,551	222	14.3	256	16.5	596	38.4	477	30.8
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	3,012	1,300	43.2	100	3.3	54	1.8	1,558	51.7
PSYCHIATRY	173	79	45.7	17	9.8	7	4.0	70	40.5
PULMONARY DISEASE	17	13	76.5	1	5.9	2	11.8	1	5.9
RADIOLOGY	220	44	20.0	52	23.6	16	7.3	108	49.1
SPEECH PATHOLOGY/AUDIOLOGY	3,405	679	19.9	183	5.4	331	9.7	2,212	65.0
SURGERY	79	50	63.3	9	11.4	4	5.1	16	20.3
VETERINARY SCIENCES	630	91	14.4	245	38.9	112	17.8	182	28.9
CLINICAL MEDICINE, NEC.	717	223	31.1	24	3.3	36	5.0	434	60.5
HEALTH RELATED, NEC.	1,305	466	35.7	29	2.2	32	2.5	773	59.6
PSYCHOLOGY	21,130	4,157	19.7	2,293	10.9	4,193	19.8	10,487	49.6
SOCIAL SCIENCES	50,501	9,045	17.9	5,153	10.2	8,592	17.0	27,711	54.9
AGRICULTURAL ECONOMICS	2,043	320	15.7	970	47.5	99	4.8	654	32.0
ANTHROPOLOGY	4,958	834	16.8	392	7.9	817	16.5	2,915	58.8
ECONOMICS (EXCEPT AGRICULTURAL)	7,841	1,553	19.8	1,085	13.8	2,061	26.3	3,142	40.1
GEOGRAPHY	2,061	236	11.5	230	11.2	732	35.5	863	41.9
HISTORY AND PHILOSOPHY OF SCIENCE	257	68	26.5	12	4.7	78	30.4	99	38.5
LINGUISTICS	3,323	615	18.5	165	5.0	992	29.9	1,551	46.7
POLITICAL SCIENCE	12,030	1,985	16.5	787	6.5	1,622	13.5	7,636	63.5
SOCIOLOGY	8,551	1,576	18.4	1,155	13.5	1,752	20.5	4,068	47.6
SOCIOLOGY/ANTHROPOLOGY	784	110	14.0	98	12.5	221	28.2	355	45.3
SOCIAL SCIENCES, NEC.	8,653	1,748	20.2	259	3.0	218	2.5	6,428	74.3

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-15. FULL-TIME GRADUATE STUDENTS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1977

FIELD OF SCIENCE	TOTAL	FELLOWSHIPS AND TRAINEESHIPS		RESEARCH ASSISTANTSHIPS		TEACHING ASSISTANTSHIPS		OTHER TYPES OF SUPPORT	
		NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS	158,040	22,389	14.2	34,183	21.6	39,659	25.1	61,809	39.1
ENGINEERING	26,015	2,452	9.4	8,197	31.5	4,400	16.9	10,966	42.2
AERONAUTICAL	827	31	3.7	322	38.9	119	14.4	355	42.9
AGRICULTURAL	717	93	13.0	357	49.8	41	5.7	226	31.5
BIOMEDICAL	400	51	12.8	109	27.3	38	9.5	202	50.5
CHEMICAL	2,692	401	14.9	1,055	39.2	539	20.0	697	25.9
CIVIL	4,686	486	10.4	1,492	31.8	692	14.8	2,016	43.0
ELECTRICAL	5,524	349	6.3	1,526	27.6	1,135	20.5	2,514	45.5
ENGINEERING SCIENCE	1,143	65	5.7	355	31.1	236	20.6	487	42.6
INDUSTRIAL	2,346	179	7.6	373	15.9	391	16.7	1,403	59.8
MECHANICAL	3,030	203	6.7	1,050	34.7	658	21.7	1,119	36.9
METALLURGICAL/MATERIALS	1,222	140	11.5	700	57.3	141	11.5	241	19.7
MINING	369	151	40.9	97	26.3	32	8.7	89	24.1
NUCLEAR	911	134	14.7	418	45.9	84	9.2	275	30.2
PETROLEUM	284	86	30.3	86	30.3	25	8.8	87	30.6
ENGINEERING, NEC.	1,864	83	4.5	257	13.8	269	14.4	1,255	67.3
PHYSICAL SCIENCES	15,176	1,100	7.2	4,432	29.2	7,842	51.7	1,802	11.9
ASTRONOMY	322	25	7.8	125	38.8	122	37.9	50	15.5
CHEMISTRY	9,042	716	7.9	2,490	27.5	5,056	55.9	780	8.6
PHYSICS	5,810	359	6.2	1,817	31.3	2,664	45.9	970	16.7
PHYSICAL SCIENCES, NEC.	2	0	.0	0	.0	0	.0	2	100.0
ENVIRONMENTAL SCIENCES	7,470	694	9.3	2,541	34.0	1,819	24.4	2,416	32.3
ATMOSPHERIC SCIENCES	829	49	5.9	454	54.8	84	10.1	242	29.2
GEOSCIENCES	4,863	522	10.7	1,169	24.0	1,526	31.4	1,646	33.8
OCEANOGRAPHY	1,401	102	7.3	792	56.5	130	9.3	377	26.9
ENVIRONMENTAL SCIENCES, NEC.	377	21	5.6	126	33.4	79	21.0	151	40.1
MATHEMATICAL SCIENCES	10,431	524	5.0	925	8.9	5,251	50.3	3,731	35.8
COMPUTER SCIENCE	3,408	178	5.2	531	15.6	867	25.4	1,832	53.8
MATHEMATICS AND APPLIED MATHEMATICS	5,748	262	4.6	168	2.9	3,880	67.5	1,438	25.0
STATISTICS	1,275	84	6.6	226	17.7	504	39.5	461	36.2
LIFE SCIENCES	50,951	10,573	20.8	12,029	23.6	10,003	19.6	18,346	36.0
AGRICULTURAL SCIENCES	10,304	805	7.8	4,370	42.4	977	9.5	4,152	40.3
BIOLOGICAL SCIENCES	26,811	4,351	16.2	6,749	25.2	7,643	28.5	8,068	30.1
ANATOMY	695	116	16.7	82	11.8	274	39.4	223	32.1
BIOCHEMISTRY	2,500	566	22.6	1,034	41.4	548	21.9	352	14.1
BIOLOGY	5,911	508	8.6	748	12.7	2,515	42.5	2,140	36.2
BIOMETRY/EPIDEMIOLOGY	479	204	42.6	75	15.7	27	5.6	173	36.1
BIOPHYSICS	315	68	21.6	120	38.1	34	10.8	93	29.5
BOTANY	2,552	194	7.6	879	34.4	742	29.1	737	28.9
CELL BIOLOGY	381	154	40.4	106	27.8	85	22.3	36	9.4
ECOLOGY	776	86	11.1	214	27.6	204	26.3	272	35.1
ENTOMOLOGY/PARASITOLOGY	1,311	73	5.6	648	49.4	138	10.5	452	34.5
GENETICS	693	257	37.1	155	22.4	132	19.0	149	21.5
MICROBIOLOGY	2,746	540	19.7	653	23.8	824	30.0	729	26.5
NUTRITION	2,143	202	9.4	839	39.2	220	10.3	882	41.2
PATHOLOGY	610	192	31.5	88	14.4	44	7.2	286	46.9
PHARMACOLOGY	1,067	409	38.3	228	21.4	181	17.0	249	23.3
PHYSIOLOGY	1,447	357	24.7	374	25.8	342	23.6	374	25.8
ZOOLOGY	2,466	210	8.5	425	17.2	1,184	48.0	647	26.2
BIOSCIENCES, NEC.	719	215	29.9	81	11.3	149	20.7	274	38.1
HEALTH SCIENCES	13,836	5,417	39.2	910	6.6	1,383	10.0	6,126	44.3
ANESTHESIOLOGY	2	1	50.0	0	.0	0	.0	1	50.0
CARDIOLOGY	2	2	100.0	0	.0	0	.0	0	.0
CLINICAL PHARMACOLOGY	5	5	100.0	0	.0	0	.0	0	.0
DENTISTRY	752	162	21.5	5	.7	153	20.3	432	57.4
ENDOCRINOLOGY	35	11	31.4	3	8.6	5	14.3	16	45.7
GASTROENTEROLOGY	8	8	100.0	0	.0	0	.0	0	.0
HEMATOLOGY	1	1	100.0	0	.0	0	.0	0	.0
NEUROLOGY	185	125	67.6	30	16.2	7	3.8	23	12.4
NURSING	3,740	2,505	67.0	19	.5	132	3.5	1,084	29.0
OBSTETRICS/GYNECOLOGY	17	9	52.9	6	35.3	0	.0	2	11.8
OPHTHALMOLOGY	6	5	83.3	1	16.7	0	.0	0	.0
OTORHINOLARYNGOLOGY	31	23	74.2	3	9.7	3	9.7	2	6.5
PEDIATRICS	67	36	53.7	2	3.0	0	.0	29	43.3
PHARMACEUTICAL SCIENCES	1,383	216	15.6	248	17.9	517	37.4	402	29.1
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,262	1,044	46.2	83	3.7	54	2.4	1,081	47.8
PSYCHIATRY	105	49	46.7	17	16.2	7	6.7	32	30.5
PULMONARY DISEASE	5	3	60.0	1	20.0	0	.0	1	20.0
RADIOLOGY	209	40	19.1	52	24.9	16	7.7	101	48.3
SPEECH PATHOLOGY/AUDIOLOGY	3,018	563	18.7	175	5.8	313	10.4	1,967	65.2
SURGERY	61	41	67.2	2	3.3	4	6.6	14	23.0
VETERINARY SCIENCES	571	79	13.8	214	37.5	107	18.7	171	29.9
CLINICAL MEDICINE, NEC.	440	150	34.1	24	5.5	36	8.2	230	52.3
HEALTH RELATED, NEC.	931	339	36.4	25	2.7	29	3.1	538	57.8
PSYCHOLOGY	13,397	2,532	18.9	1,768	13.2	3,385	25.3	5,712	42.6
SOCIAL SCIENCES	34,600	4,514	13.0	4,291	12.4	6,959	20.1	18,836	54.4
AGRICULTURAL ECONOMICS	1,964	305	15.5	930	47.4	87	4.4	642	32.7
ANTHROPOLOGY	3,611	399	11.0	324	9.0	686	19.0	2,202	61.0
ECONOMICS (EXCEPT AGRICULTURAL)	4,821	407	8.4	835	17.3	1,579	32.8	2,000	41.5
GEOGRAPHY	1,834	173	9.4	207	11.3	673	36.7	781	42.6
HISTORY AND PHILOSOPHY OF SCIENCE	135	15	11.1	2	1.5	54	40.0	64	47.4
LINGUISTICS	2,503	435	17.4	105	4.2	774	30.9	1,189	47.5
POLITICAL SCIENCE	6,850	791	11.5	622	9.1	1,272	18.6	4,165	60.8
SOCIOLOGY	6,126	785	12.8	962	15.7	1,480	24.2	2,899	47.3
SOCIOLOGY/ANTHROPOLOGY	519	39	7.5	84	16.2	167	32.2	229	44.1
SOCIAL SCIENCES, NEC.	6,237	1,165	18.7	220	3.5	167	3.0	4,665	74.8

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-16. FULL-TIME GRADUATE STUDENTS IN PRIVATELY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1977

FIELD OF SCIENCE	TOTAL	FELLOWSHIPS AND TRAINEESHIPS		RESEARCH ASSISTANTSHIPS		TEACHING ASSISTANTSHIPS		OTHER TYPES OF SUPPORT	
		NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS	60,186	17,025	28.3	9,808	16.3	9,178	15.2	24,175	40.2
ENGINEERING	11,801	2,323	19.7	3,742	31.7	1,479	12.5	4,257	36.1
AERONAUTICAL	507	113	22.3	252	49.7	49	9.7	93	18.3
AGRICULTURAL	36	6	16.7	17	47.2	5	13.9	8	22.2
BIOMEDICAL	323	84	26.0	71	22.0	30	9.3	138	42.7
CHEMICAL	1,237	387	31.3	395	31.9	174	14.1	281	22.7
CIVIL	1,653	289	17.5	468	28.3	247	14.9	649	39.3
ELECTRICAL	2,708	421	15.5	886	32.7	416	15.4	985	36.4
ENGINEERING SCIENCE	395	104	26.3	164	41.5	58	14.7	69	17.5
INDUSTRIAL	1,737	338	19.5	211	12.1	147	8.5	1,041	59.9
MECHANICAL	1,370	224	16.4	478	34.9	194	14.2	474	34.6
METALLURGICAL/MATERIALS	737	117	15.9	459	62.3	74	10.0	87	11.8
MINING	81	27	33.3	33	40.7	7	8.6	14	17.3
NUCLEAR	254	68	26.8	90	35.4	30	11.8	66	26.0
PETROLEUM	118	47	39.8	48	40.7	7	5.9	16	13.6
ENGINEERING, NEC.	645	98	15.2	170	26.4	41	6.4	336	52.1
PHYSICAL SCIENCES	6,545	1,418	21.7	2,331	35.6	2,274	34.7	522	8.0
ASTRONOMY	178	69	38.8	72	40.4	23	12.9	14	7.9
CHEMISTRY	3,393	704	20.7	1,044	30.8	1,374	40.5	271	8.0
PHYSICS	2,974	645	21.7	1,215	40.9	877	29.5	237	8.0
PHYSICAL SCIENCES, NEC.	0	0	.0	0	.0	0	.0	0	.0
ENVIRONMENTAL SCIENCES	1,764	409	23.2	610	34.6	299	17.0	446	25.3
ATMOSPHERIC SCIENCES	60	11	18.3	43	71.7	2	3.3	4	6.7
GEOSCIENCES	1,338	365	27.3	446	33.3	259	19.4	268	20.0
OCEANOGRAPHY	341	26	7.6	113	33.1	30	8.8	172	50.4
ENVIRONMENTAL SCIENCES, NEC.	25	7	28.0	8	32.0	8	32.0	2	8.0
MATHEMATICAL SCIENCES	3,054	715	23.4	515	16.9	1,037	34.0	787	25.8
COMPUTER SCIENCE	744	105	14.1	217	29.2	94	12.6	328	44.1
MATHEMATICS AND APPLIED MATHEMATICS	2,067	549	26.6	210	10.2	897	43.4	411	19.9
STATISTICS	243	61	25.1	88	36.2	46	18.9	48	19.8
LIFE SCIENCES	13,388	6,004	44.8	1,223	9.1	1,648	12.3	4,513	33.7
AGRICULTURAL SCIENCES	316	99	31.3	121	38.3	39	12.3	57	18.0
BIOLOGICAL SCIENCES	8,960	4,016	44.8	985	11.0	1,456	16.3	2,503	27.9
ANATOMY	348	187	53.7	13	3.7	39	11.2	109	31.3
BIOCHEMISTRY	1,035	592	57.2	204	19.7	69	6.7	170	16.4
BIOLOGY	2,950	1,067	36.2	232	7.9	866	29.4	785	26.6
BIOMETRY/EPIDEMIOLOGY	198	85	42.9	10	5.1	11	5.6	92	46.5
BIOPHYSICS	308	238	77.3	53	17.2	3	1.0	14	4.5
BOTANY	181	37	20.4	37	20.4	69	38.1	38	21.0
CELL BIOLOGY	203	173	85.2	16	7.9	7	3.4	7	3.4
ECOLOGY	84	17	20.2	12	14.3	31	36.9	24	28.6
ENTOMOLOGY/PARASITOLOGY	57	14	24.6	16	28.1	10	17.5	17	29.8
GENETICS	212	162	76.4	4	1.9	12	5.7	34	16.0
MICROBIOLOGY	833	452	54.3	86	10.3	108	13.0	187	22.4
NUTRITION	618	206	33.3	147	23.8	48	7.8	217	35.1
PATHOLOGY	338	146	43.2	11	3.3	10	3.0	171	50.6
PHARMACOLOGY	563	314	55.8	72	12.8	18	100.0	159	28.2
PHYSIOLOGY	539	252	46.8	53	9.8	40	100.0	194	36.0
ZOOLOGY	160	25	15.6	13	8.1	85	100.0	37	23.1
BIOSCIENCES, NEC.	333	49	14.7	6	1.8	30	100.0	248	74.5
HEALTH SCIENCES	4,112	1,889	45.9	117	2.8	153	100.0	1,953	47.5
ANESTHESIOLOGY	0	0	.0	0	.0	0	**	0	.0
CARDIOLOGY	1	1	100.0	0	.0	0	**	0	.0
CLINICAL PHARMACOLOGY	11	8	72.7	0	.0	0	**	3	27.3
DENTISTRY	442	31	7.0	9	2.0	22	100.0	380	86.0
ENDOCRINOLOGY	0	0	.0	0	.0	0	**	0	.0
GASTROENTEROLOGY	0	0	.0	0	.0	0	**	0	.0
HEMATOLOGY	6	0	.0	4	66.7	0	**	2	33.3
NEUROLOGY	151	77	51.0	17	11.3	14	100.0	43	28.5
NURSING	1,310	1,090	83.2	8	.6	10	100.0	202	15.4
OBSTETRICS/GYNECOLOGY	12	11	91.7	1	8.3	0	**	0	.0
OPHTHALMOLOGY	1	1	100.0	0	.0	0	**	0	.0
OTORHINOLARYNGOLOGY	23	2	8.7	3	13.0	0	**	18	78.3
PEDIATRICS	31	25	80.6	0	.0	0	**	6	19.4
PHARMACEUTICAL SCIENCES	168	6	3.6	8	4.8	79	100.0	75	44.6
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	750	256	34.1	17	2.3	0	**	477	63.6
PSYCHIATRY	68	30	44.1	0	.0	0	**	38	55.9
PULMONARY DISEASE	12	10	83.3	0	.0	2	100.0	0	.0
RADIOLOGY	11	4	36.4	0	.0	0	**	7	63.6
SPEECH PATHOLOGY/AUDIOLOGY	387	116	30.0	8	2.1	18	100.0	245	63.3
SURGERY	18	9	50.0	7	38.9	0	**	2	11.1
VETERINARY SCIENCES	59	12	20.3	31	52.5	5	100.0	11	18.6
CLINICAL MEDICINE, NEC.	277	73	26.4	0	.0	0	**	204	73.6
HEALTH RELATED, NEC.	374	127	34.0	4	1.1	3	100.0	240	64.2
PSYCHOLOGY	7,733	1,625	21.0	525	6.8	808	100.0	4,775	61.7
SOCIAL SCIENCES	15,901	4,531	28.5	862	5.4	1,633	100.0	8,875	55.8
AGRICULTURAL ECONOMICS	79	15	19.0	40	50.6	12	100.0	12	15.2
ANTHROPOLOGY	1,347	435	32.3	68	5.0	131	100.0	713	52.9
ECONOMICS (EXCEPT AGRICULTURAL)	3,020	1,146	37.9	250	8.3	482	100.0	1,142	37.8
GEOGRAPHY	227	63	27.8	23	10.1	59	100.0	82	36.1
HISTORY AND PHILOSOPHY OF SCIENCE	122	53	43.4	10	8.2	24	100.0	35	28.7
LINGUISTICS	820	180	22.0	60	7.3	218	100.0	362	44.1
POLITICAL SCIENCE	5,180	1,194	23.1	165	3.2	350	100.0	3,471	67.0
SOCIOLOGY	2,425	791	32.6	193	8.0	272	100.0	1,169	48.2
SOCIOLOGY/ANTHROPOLOGY	265	71	26.8	14	5.3	54	100.0	126	47.5
SOCIAL SCIENCES, NEC.	2,416	583	24.1	39	1.6	31	100.0	1,763	73.0

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-17. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1977

FIELD OF SCIENCE	TOTAL	FELLOWSHIPS AND TRAINEESHIPS		RESEARCH ASSISTANTSHIPS		TEACHING ASSISTANTSHIPS		OTHER TYPES OF SUPPORT	
		NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS	80,397	15,030	18.7	11,168	13.9	17,078	21.2	37,121	46.2
ENGINEERING	16,340	2,333	14.3	3,799	23.2	2,550	15.6	7,658	46.9
AERONAUTICAL	464	65	14.0	160	34.5	48	10.3	191	41.2
AGRICULTURAL	290	35	12.1	145	50.0	22	7.6	88	30.3
BIOMEDICAL	254	38	15.0	63	24.8	20	7.9	133	52.4
CHEMICAL	1,670	371	22.2	433	25.9	313	18.7	553	33.1
CIVIL	3,174	446	14.1	810	25.5	469	14.8	1,449	45.7
ELECTRICAL	3,529	372	10.5	751	21.3	728	20.6	1,678	47.5
ENGINEERING SCIENCE	508	96	18.9	115	22.6	95	18.7	202	39.8
INDUSTRIAL	2,013	313	15.5	165	8.2	196	9.7	1,339	66.5
MECHANICAL	1,993	214	10.7	537	26.9	386	19.4	856	43.0
METALLURGICAL/MATERIALS	588	101	17.2	277	47.1	70	11.9	140	23.8
MINING	175	76	43.4	32	18.3	16	9.1	51	29.1
NUCLEAR	390	80	20.5	140	35.9	45	11.5	125	32.1
PETROLEUM	160	52	32.5	46	28.8	13	8.1	49	30.6
ENGINEERING, NEC.	1,132	74	6.5	125	11.0	129	11.4	804	71.0
PHYSICAL SCIENCES	6,141	827	13.5	406	6.6	4,130	67.3	778	12.7
ASTRONOMY	123	32	26.0	36	29.3	38	30.9	17	13.8
CHEMISTRY	3,687	458	12.4	148	4.0	2,729	74.0	352	9.5
PHYSICS	2,331	337	14.5	222	9.5	1,363	58.5	409	17.5
PHYSICAL SCIENCES, NEC.	0	0	.0	0	.0	0	.0	0	.0
ENVIRONMENTAL SCIENCES	3,055	383	12.5	771	25.2	824	27.0	1,077	35.3
ATMOSPHERIC SCIENCES	310	33	10.6	137	44.2	32	10.3	108	34.8
GEOSCIENCES	2,121	298	14.0	396	18.7	730	34.4	697	32.9
OCEANOGRAPHY	456	38	8.3	179	39.3	41	9.0	198	43.4
ENVIRONMENTAL SCIENCES, NEC.	168	14	8.3	59	35.1	21	12.5	74	44.0
MATHEMATICAL SCIENCES	4,982	490	9.8	346	6.9	2,160	43.4	1,986	39.9
COMPUTER SCIENCE	1,710	103	6.0	170	9.9	419	24.5	1,018	59.5
MATHEMATICS AND APPLIED MATHEMATICS	2,786	343	12.3	91	3.3	1,568	56.3	784	28.1
STATISTICS	486	44	9.1	85	17.5	173	35.6	184	37.9
LIFE SCIENCES	24,123	6,345	26.3	3,392	14.1	3,862	16.0	10,524	43.6
AGRICULTURAL SCIENCES	4,093	329	8.0	1,476	36.1	409	10.0	1,879	45.9
BIOLOGICAL SCIENCES	10,832	2,104	19.4	1,630	15.0	2,871	26.5	4,227	39.0
ANATOMY	268	73	27.2	14	5.2	52	19.4	129	48.1
BIOCHEMISTRY	906	262	28.9	211	23.3	210	23.2	223	24.6
BIOLOGY	3,010	369	12.3	206	6.8	1,206	40.1	1,229	40.8
BIOMETRY/EPIDEMIOLOGY	222	105	47.3	21	9.5	10	4.5	86	38.7
BIOPHYSICS	127	67	52.8	21	16.5	8	6.3	31	24.4
BOTANY	775	67	8.6	196	25.3	246	31.7	266	34.3
CELL BIOLOGY	154	86	55.8	25	16.2	23	14.9	20	13.0
ECOLOGY	201	34	16.9	45	22.4	59	29.4	63	31.3
ENTOMOLOGY/PARASITOLOGY	397	26	6.5	162	40.8	37	9.3	172	43.3
GENETICS	251	93	37.1	35	13.9	38	15.1	85	33.9
MICROBIOLOGY	1,027	234	22.8	112	10.9	292	28.4	389	37.9
NUTRITION	1,135	154	13.6	300	26.4	102	9.0	579	51.0
PATHOLOGY	272	77	28.3	18	6.6	14	5.1	163	59.9
PHARMACOLOGY	421	162	38.5	60	14.3	51	12.1	148	35.2
PHYSIOLOGY	549	126	23.0	85	15.5	101	18.4	237	43.2
ZOOLOGY	712	45	6.3	84	11.8	358	50.3	225	31.6
BIOSCIENCES, NEC.	405	124	30.6	35	8.6	64	15.8	182	44.9
HEALTH SCIENCES	9,198	3,912	42.5	286	3.1	582	6.3	4,418	48.0
ANESTHESIOLOGY	2	1	50.0	0	.0	0	.0	1	50.0
CARDIOLOGY	1	1	100.0	0	.0	0	.0	0	.0
CLINICAL PHARMACOLOGY	4	4	100.0	0	.0	0	.0	0	.0
DENTISTRY	517	70	13.5	2	.4	65	12.6	380	73.5
ENDOCRINOLOGY	10	2	20.0	0	.0	2	20.0	6	60.0
GASTROENTEROLOGY	4	4	100.0	0	.0	0	.0	0	.0
HEMATOLOGY	2	0	.0	0	.0	0	.0	2	100.0
NEUROLOGY	79	39	49.4	12	15.2	3	3.8	25	31.6
NURSING	3,040	2,103	69.2	7	.2	68	2.2	862	28.4
OBSTETRICS/GYNECOLOGY	15	11	73.3	2	13.3	0	.0	2	13.3
OPHTHALMOLOGY	0	0	.0	0	.0	0	.0	0	.0
OTORHINOLARYNGOLOGY	19	5	26.3	3	15.8	1	5.3	10	52.6
PEDIATRICS	69	43	62.3	2	2.9	0	.0	24	34.8
PHARMACEUTICAL SCIENCES	544	62	11.4	44	8.1	216	39.7	222	40.8
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,745	803	46.0	29	1.7	13	.7	900	51.6
PSYCHIATRY	29	5	17.2	4	13.8	4	13.8	16	55.2
PULMONARY DISEASE	9	7	77.8	0	.0	2	22.2	0	.0
RADIOLOGY	79	8	10.1	11	13.9	3	3.8	57	72.2
SPEECH PATHOLOGY/AUDIOLOGY	1,748	359	20.5	85	4.9	145	8.3	1,159	66.3
SURGERY	22	15	68.2	0	.0	0	.0	7	31.8
VETERINARY SCIENCES	228	30	13.2	71	31.1	41	18.0	86	37.7
CLINICAL MEDICINE, NEC.	341	99	29.0	7	2.1	6	1.8	229	67.2
HEALTH RELATED, NEC.	691	241	34.9	7	1.0	13	1.9	430	62.2
PSYCHOLOGY	5,944	1,135	19.1	666	11.2	1,119	18.8	3,024	50.9
SOCIAL SCIENCES	19,812	3,517	17.8	1,788	9.0	2,433	12.3	12,074	60.9
AGRICULTURAL ECONOMICS	783	132	16.9	320	40.9	53	6.8	278	35.5
ANTHROPOLOGY	1,322	207	15.7	85	6.4	89	6.7	941	71.2
ECONOMICS (EXCEPT AGRICULTURAL)	2,854	629	22.0	359	12.6	513	18.0	1,353	47.4
GEOGRAPHY	784	78	9.9	83	10.6	313	39.9	310	39.5
HISTORY AND PHILOSOPHY OF SCIENCE	60	18	30.0	1	1.7	16	26.7	25	41.7
LINGUISTICS	1,371	254	18.5	37	2.7	363	26.5	717	52.3
POLITICAL SCIENCE	5,239	858	16.4	373	7.1	454	8.7	3,554	67.8
SOCIOLOGY	3,083	554	18.0	387	12.6	473	15.3	1,669	54.1
SOCIOLOGY/ANTHROPOLOGY	280	40	14.3	30	10.7	101	36.1	109	38.9
SOCIAL SCIENCES, NEC.	4,036	747	18.5	113	2.8	58	1.4	3,118	77.3

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-18. FULL-TIME GRADUATE STUDENTS BEYOND FIRST YEAR IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1977

FIELD OF SCIENCE	TOTAL	FELLOWSHIPS AND TRAINEESHIPS		RESEARCH ASSISTANTSHIPS		TEACHING ASSISTANTSHIPS		OTHER TYPES OF SUPPORT	
		NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS	137,829	24,384	17.7	32,823	23.8	31,759	23.0	48,863	35.5
ENGINEERING	21,476	2,442	11.4	8,140	37.9	3,329	15.5	7,565	35.2
AERONAUTICAL	870	79	9.1	414	47.6	120	13.8	257	29.5
AGRICULTURAL	463	64	13.8	229	49.5	24	5.2	146	31.5
BIOMEDICAL	469	97	20.7	117	24.9	48	10.2	207	44.1
CHEMICAL	2,259	417	18.5	1,017	45.0	400	17.7	425	18.8
CIVIL	3,165	329	10.4	1,150	36.3	470	14.8	1,216	38.4
ELECTRICAL	4,703	398	8.5	1,661	35.3	823	17.5	1,821	38.7
ENGINEERING SCIENCE	1,030	73	7.1	404	39.2	199	19.3	354	34.4
INDUSTRIAL	2,070	204	9.9	419	20.2	342	16.5	1,105	53.4
MECHANICAL	2,407	213	8.8	991	41.2	466	19.4	737	30.6
METALLURGICAL/MATERIALS	1,371	156	11.4	882	64.3	145	10.6	188	13.7
MINING	275	102	37.1	98	35.6	23	8.4	52	18.9
NUCLEAR	775	122	15.7	368	47.5	69	8.9	216	27.9
PETROLEUM	242	81	33.5	88	36.4	19	7.9	54	22.3
ENGINEERING, NEC.	1,377	107	7.8	302	21.9	181	13.1	787	57.2
PHYSICAL SCIENCES	15,580	1,691	10.9	6,357	40.8	5,986	38.4	1,546	9.9
ASTRONOMY	377	62	16.4	161	42.7	107	28.4	47	12.5
CHEMISTRY	8,748	962	11.0	3,386	38.7	3,701	42.3	699	8.0
PHYSICS	6,453	667	10.3	2,810	43.5	2,178	33.8	798	12.4
PHYSICAL SCIENCES, NEC.	2	0	.0	0	.0	0	.0	2	100.0
ENVIRONMENTAL SCIENCES	6,179	720	11.7	2,380	38.5	1,294	20.9	1,785	28.9
ATMOSPHERIC SCIENCES	579	27	4.7	360	62.2	54	9.3	138	23.8
GEOSCIENCES	4,080	589	14.4	1,219	29.9	1,055	25.9	1,217	29.8
OCEANOGRAPHY	1,286	90	7.0	726	56.5	119	9.3	351	27.3
ENVIRONMENTAL SCIENCES, NEC.	234	14	6.0	75	32.1	66	28.2	79	33.8
MATHEMATICAL SCIENCES	8,503	749	8.8	1,094	12.9	4,128	48.5	2,532	29.8
COMPUTER SCIENCE	2,442	180	7.4	578	23.7	542	22.2	1,142	46.8
MATHEMATICS AND APPLIED MATHEMATICS	5,029	468	9.3	287	5.7	3,209	63.8	1,065	21.2
STATISTICS	1,032	101	9.8	229	22.2	377	36.5	325	31.5
LIFE SCIENCES	40,216	10,232	25.4	9,860	24.5	7,789	19.4	12,335	30.7
AGRICULTURAL SCIENCES	6,527	575	8.8	3,015	46.2	607	9.3	2,330	35.7
BIOLOGICAL SCIENCES	24,939	6,263	25.1	6,104	24.5	6,228	25.0	6,344	25.4
ANATOMY	775	230	29.7	81	10.5	261	33.7	203	26.2
BIOCHEMISTRY	2,629	896	34.1	1,027	39.1	407	15.5	299	11.4
BIOLOGY	5,851	1,206	20.6	774	13.2	2,175	37.2	1,696	29.0
BIOMETRY/EPIDEMIOLOGY	455	184	40.4	64	14.1	28	6.2	179	39.3
BIOPHYSICS	496	239	48.2	152	30.6	29	5.8	76	15.3
BOTANY	1,958	164	8.4	720	36.8	565	28.9	509	26.0
CELL BIOLOGY	430	241	56.0	97	22.6	69	16.0	23	5.3
ECOLOGY	659	69	10.5	181	27.5	176	26.7	233	35.4
ENTOMOLOGY/PARASITOLOGY	971	61	6.3	502	51.7	111	11.4	297	30.6
GENETICS	654	326	49.8	124	19.0	106	16.2	98	15.0
MICROBIOLOGY	2,552	758	29.7	627	24.6	640	25.1	527	20.7
NUTRITION	1,626	254	15.6	686	42.2	166	10.2	520	32.0
PATHOLOGY	676	261	38.6	81	12.0	40	5.9	294	43.5
PHARMACOLOGY	1,209	561	46.4	240	19.9	148	12.2	260	21.5
PHYSIOLOGY	1,437	483	33.6	342	23.8	281	19.6	331	23.0
ZOOLOGY	1,914	190	9.9	354	18.5	911	47.6	459	24.0
BIOSCIENCES, NEC.	647	140	21.6	52	8.0	115	17.8	340	52.6
HEALTH SCIENCES	8,750	3,394	38.8	741	8.5	954	10.9	3,661	41.8
ANESTHESIOLOGY	0	0	.0	0	.0	0	.0	0	.0
CARDIOLOGY	2	2	100.0	0	.0	0	.0	0	.0
CLINICAL PHARMACOLOGY	12	9	75.0	0	.0	0	.0	3	25.0
DENTISTRY	677	123	18.2	12	1.8	110	16.2	432	63.8
ENDOCRINOLOGY	25	9	36.0	3	12.0	3	12.0	10	40.0
GASTROENTEROLOGY	4	4	100.0	0	.0	0	.0	0	.0
HEMATOLOGY	5	1	20.0	4	80.0	0	.0	0	.0
NEUROLOGY	257	163	63.4	35	13.6	18	7.0	41	16.0
NURSING	2,010	1,492	74.2	20	1.0	74	3.7	424	21.1
OBSTETRICS/GYNECOLOGY	14	9	64.3	5	35.7	0	.0	0	.0
OPHTHALMOLOGY	7	6	85.7	1	14.3	0	.0	0	.0
OTORHINOLARYNGOLOGY	35	20	57.1	3	8.6	2	5.7	10	28.6
PEDIATRICS	29	18	62.1	0	.0	0	.0	11	37.9
PHARMACEUTICAL SCIENCES	1,007	160	15.9	212	21.1	380	37.7	255	25.3
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,267	497	39.2	71	5.6	41	3.2	658	51.9
PSYCHIATRY	144	74	51.4	13	9.0	3	2.1	54	37.5
PULMONARY DISEASE	8	6	75.0	1	12.5	0	.0	1	12.5
RADIOLOGY	141	36	25.5	41	29.1	13	9.2	51	36.2
SPEECH PATHOLOGY/AUDIOLOGY	1,657	320	19.3	98	5.9	186	11.2	1,053	63.5
SURGERY	57	35	61.4	9	15.8	4	7.0	9	15.8
VETERINARY SCIENCES	402	61	15.2	174	43.3	71	17.7	96	23.9
CLINICAL MEDICINE, NEC.	376	124	33.0	17	4.5	30	8.0	205	54.5
HEALTH RELATED, NEC.	614	225	36.6	22	3.6	19	3.1	348	56.7
PSYCHOLOGY	15,186	3,022	19.9	1,627	10.7	3,074	20.2	7,463	49.1
SOCIAL SCIENCES	30,689	5,528	18.0	3,365	11.0	6,159	20.1	15,637	51.0
AGRICULTURAL ECONOMICS	1,260	188	14.9	650	51.6	46	3.7	376	29.8
ANTHROPOLOGY	3,636	627	17.2	307	8.4	728	20.0	1,974	54.3
ECONOMICS (EXCEPT AGRICULTURAL)	4,987	924	18.5	726	14.6	1,548	31.0	1,789	35.9
GEOGRAPHY	1,277	158	12.4	147	11.5	419	32.8	553	43.3
HISTORY AND PHILOSOPHY OF SCIENCE	197	50	25.4	11	5.6	62	31.5	74	37.6
LINGUISTICS	1,952	361	18.5	128	6.6	629	32.2	834	42.7
POLITICAL SCIENCE	6,791	1,127	16.6	414	6.1	1,168	17.2	4,082	60.1
SOCIOLOGY	5,468	1,022	18.7	768	14.0	1,279	23.4	2,399	43.9
SOCIOLOGY/ANTHROPOLOGY	504	70	13.9	68	13.5	120	23.8	246	48.8
SOCIAL SCIENCES, NEC.	4,617	1,001	21.7	146	3.2	160	3.5	3,310	71.7

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-19. FULL-TIME GRADUATE STUDENTS SUPPORTED BY FEDERAL SOURCES IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND FEDERAL AGENCY: 1977

FIELD OF SCIENCE	TOTAL	DEPARTMENT OF DEFENSE	HEW			NATIONAL SCIENCE FOUNDATION	OTHER FEDERAL
			TOTAL	NIH	OTHER HEW		
TOTAL, ALL FIELDS	50,308	5,025	21,068	11,080	9,988	9,054	15,161
ENGINEERING	10,750	2,829	973	549	424	2,535	4,413
AERONAUTICAL	673	366	11	7	4	71	225
AGRICULTURAL	148	0	0	0	0	16	132
BIOMEDICAL	213	8	184	182	2	16	5
CHEMICAL	1,179	49	115	65	50	530	485
CIVIL	1,501	165	100	21	79	293	943
ELECTRICAL	2,371	1,105	155	141	14	558	553
ENGINEERING SCIENCE	546	244	46	38	8	122	134
INDUSTRIAL	828	346	32	9	23	82	368
MECHANICAL	1,244	249	82	47	35	327	586
METALLURGICAL/MATERIALS	979	194	88	35	53	327	370
MINING	223	3	113	0	113	55	52
NUCLEAR	324	17	2	2	0	37	268
PETROLEUM	119	10	32	0	32	13	64
ENGINEERING, NEC.	402	73	13	2	11	88	228
PHYSICAL SCIENCES	6,598	642	1,320	1,209	111	2,730	1,906
ASTRONOMY	188	1	0	0	0	120	67
CHEMISTRY	3,298	201	1,238	1,151	87	1,280	579
PHYSICS	3,112	440	82	58	24	1,330	1,260
PHYSICAL SCIENCES, NEC.	0	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES	2,996	381	194	52	142	1,206	1,215
ATMOSPHERIC SCIENCES	599	102	1	1	0	271	225
GEOSCIENCES	1,540	106	150	18	132	661	623
OCEANOGRAPHY	782	166	23	17	6	262	331
ENVIRONMENTAL SCIENCES, NEC.	75	7	20	16	4	12	36
MATHEMATICAL SCIENCES	1,222	354	137	117	20	510	221
COMPUTER SCIENCE	670	260	71	63	8	260	79
MATHEMATICS AND APPLIED MATHEMATICS	365	44	22	15	7	213	86
STATISTICS	187	50	44	39	5	37	56
LIFE SCIENCES	19,030	347	13,318	7,456	5,862	1,306	4,059
AGRICULTURAL SCIENCES	1,932	15	74	55	19	105	1,738
BIOLOGICAL SCIENCES	10,014	166	7,025	6,465	560	1,154	1,669
ANATOMY	255	1	227	206	21	15	12
BIOCHEMISTRY	1,715	11	1,461	1,442	19	144	99
BIOLOGY	1,588	22	998	858	140	296	272
BIOMETRY/EPIDEMIOLOGY	280	5	247	167	80	2	26
BIOPHYSICS	359	2	269	269	0	29	59
BOTANY	446	4	36	31	5	156	250
CELL BIOLOGY	336	1	288	278	10	31	16
ECOLOGY	164	7	37	10	27	70	50
ENTOMOLOGY/PARASITOLOGY	298	3	49	47	2	50	196
GENETICS	414	24	332	318	14	25	33
MICROBIOLOGY	1,198	31	951	913	38	86	130
NUTRITION	607	21	303	170	133	23	260
PATHOLOGY	305	7	260	254	6	5	33
PHARMACOLOGY	724	4	671	629	42	13	36
PHYSIOLOGY	686	15	591	583	8	36	44
ZOOLOGY	395	3	140	129	11	136	116
BIOSCIENCES, NEC.	244	5	165	161	4	37	37
HEALTH SCIENCES	7,084	166	6,219	936	5,283	47	652
ANESTHESIOLOGY	0	0	0	0	0	0	0
CARDIOLOGY	2	0	2	2	0	0	0
CLINICAL PHARMACOLOGY	4	0	4	4	0	0	0
DENTISTRY	135	53	53	34	19	0	29
ENDOCRINOLOGY	13	1	11	11	0	0	1
GASTROENTEROLOGY	6	0	0	0	0	0	6
HEMATOLOGY	0	0	0	0	0	0	0
NEUROLOGY	167	2	136	109	27	26	3
NURSING	3,516	43	3,305	63	3,242	0	168
OBSTETRICS/GYNECOLOGY	17	0	11	11	0	0	6
OPHTHALMOLOGY	6	0	6	6	0	0	0
OTORHINOLARYNGOLOGY	14	0	9	9	0	3	2
PEDIATRICS	47	0	46	3	43	0	1
PHARMACEUTICAL SCIENCES	354	9	297	276	21	7	41
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,221	30	1,050	131	919	2	139
PSYCHIATRY	59	4	45	40	5	4	6
PULMONARY DISEASE	11	0	5	5	0	0	6
RADIOLOGY	83	3	62	59	3	3	15
SPEECH PATHOLOGY/AUDIOLOGY	716	2	605	42	563	0	109
SURGERY	18	1	16	15	1	1	0
VETERINARY SCIENCES	122	5	65	46	19	1	51
CLINICAL MEDICINE, NEC.	176	6	147	58	89	0	23
HEALTH RELATED, NEC.	397	7	344	12	332	0	46
PSYCHOLOGY	3,891	157	2,800	1,222	1,578	222	712
SOCIAL SCIENCES	5,821	315	2,326	475	1,851	545	2,635
AGRICULTURAL ECONOMICS	511	0	5	0	5	15	491
ANTHROPOLOGY	543	17	224	87	137	109	193
ECONOMICS (EXCEPT AGRICULTURAL)	573	13	65	30	35	169	326
GEOGRAPHY	164	19	12	2	10	25	108
HISTORY AND PHILOSOPHY OF SCIENCE	14	0	1	1	0	13	0
LINGUISTICS	313	20	164	34	130	34	95
POLITICAL SCIENCE	1,140	201	321	24	297	53	565
SOCIOLOGY	1,041	20	511	199	312	106	404
SOCIOLOGY/ANTHROPOLOGY	79	2	32	28	4	3	42
SOCIAL SCIENCES, NEC.	1,443	23	991	70	921	18	411

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-20. FULL-TIME GRADUATE STUDENTS SUPPORTED BY NON-FEDERAL SOURCES IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1977

FIELD OF SCIENCE	TOTAL	INSTITUTIONAL SUPPORT	OTHER OUTSIDE SUPPORT			SELF-SUPPORT
			TOTAL	ALL OTHER U.S. SOURCES	FOREIGN	
TOTAL, ALL FIELDS	167,918	80,508	18,441	11,497	6,944	68,969
ENGINEERING	27,066	10,726	5,314	3,320	1,994	11,026
AERONAUTICAL	661	320	167	90	77	174
AGRICULTURAL	605	271	190	64	126	144
BIOMEDICAL	510	182	25	20	5	303
CHEMICAL	2,750	1,235	759	607	152	756
CIVIL	4,838	1,910	821	466	355	2,107
ELECTRICAL	5,861	2,293	1,054	724	330	2,514
ENGINEERING SCIENCE	992	552	139	98	41	301
INDUSTRIAL	3,255	1,027	537	232	305	1,691
MECHANICAL	3,156	1,374	572	414	158	1,210
METALLURGICAL/MATERIALS	980	369	383	276	107	228
MINING	227	65	73	29	44	89
NUCLEAR	841	387	223	121	102	231
PETROLEUM	283	79	163	54	109	41
ENGINEERING, NEC.	2,107	662	208	125	83	1,237
PHYSICAL SCIENCES	15,123	12,197	1,352	955	397	1,574
ASTRONOMY	312	226	39	18	21	47
CHEMISTRY	9,137	7,571	840	703	137	726
PHYSICS	5,672	4,400	473	234	239	799
PHYSICAL SCIENCES, NEC.	2	0	0	0	0	2
ENVIRONMENTAL SCIENCES	6,238	3,373	711	389	322	2,154
ATMOSPHERIC SCIENCES	290	141	37	17	20	112
GEOSCIENCES	4,661	2,586	541	292	249	1,534
OCEANOGRAPHY	960	447	112	59	53	401
ENVIRONMENTAL SCIENCES, NEC.	327	199	21	21	0	107
MATHEMATICAL SCIENCES	12,263	7,924	744	399	345	3,595
COMPUTER SCIENCE	3,482	1,484	245	163	82	1,753
MATHEMATICS AND APPLIED MATHEMATICS	7,450	5,630	341	154	187	1,479
STATISTICS	1,331	810	158	82	76	363
LIFE SCIENCES	45,309	21,584	5,460	3,223	2,237	18,265
AGRICULTURAL SCIENCES	8,688	3,580	1,985	936	1,049	3,123
BIOLOGICAL SCIENCES	25,757	14,906	2,420	1,624	796	8,431
ANATOMY	788	517	43	26	17	228
BIOCHEMISTRY	1,820	1,203	240	193	47	377
BIOLOGY	7,273	4,347	432	367	65	2,494
BIOMETRY/EPIDEMIOLOGY	397	159	47	27	20	191
BIOPHYSICS	264	161	38	30	8	65
BOTANY	2,287	1,446	255	115	140	586
CELL BIOLOGY	248	199	21	17	4	28
ECOLOGY	696	377	56	24	32	263
ENTOMOLOGY/PARASITOLOGY	1,070	546	214	86	128	310
GENETICS	491	236	84	45	39	171
MICROBIOLOGY	2,381	1,511	177	127	50	693
NUTRITION	2,154	874	362	226	136	918
PATHOLOGY	643	272	84	48	36	287
PHARMACOLOGY	906	486	118	88	30	302
PHYSIOLOGY	1,300	738	109	87	22	453
ZOOLOGY	2,231	1,531	113	97	16	587
BIOSCIENCES, NEC.	808	303	27	21	6	478
HEALTH SCIENCES	10,864	3,098	1,055	663	392	6,711
ANESTHESIOLOGY	2	1	1	1	0	0
CARDIOLOGY	1	1	0	0	0	0
CLINICAL PHARMACOLOGY	12	3	6	3	3	3
DENTISTRY	1,059	368	147	62	85	544
ENDOCRINOLOGY	22	7	2	2	0	13
GASTROENTEROLOGY	2	1	1	1	0	0
HEMATOLOGY	7	5	0	0	0	2
NEUROLOGY	169	104	36	34	2	29
NURSING	1,534	214	139	67	72	1,181
OBSTETRICS/GYNECOLOGY	12	9	1	1	0	2
OPHTHALMOLOGY	1	1	0	0	0	0
OTORHINOLARYNGOLOGY	40	21	4	3	1	15
PEDIATRICS	51	13	11	8	3	27
PHARMACEUTICAL SCIENCES	1,197	733	145	109	36	319
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,791	313	182	109	73	1,296
PSYCHIATRY	114	58	9	8	1	47
PULMONARY DISEASE	6	3	2	2	0	1
RADIOLOGY	137	40	20	16	4	77
SPEECH PATHOLOGY/AUDIOLOGY	2,689	593	84	80	4	2,012
SURGERY	61	56	3	3	0	2
VETERINARY SCIENCES	508	263	117	50	67	128
CLINICAL MEDICINE, NEC.	541	164	60	39	21	317
HEALTH RELATED, NEC.	908	127	85	65	20	696
PSYCHOLOGY	17,239	7,392	1,296	1,191	105	8,551
SOCIAL SCIENCES	44,680	17,312	3,564	2,020	1,544	23,804
AGRICULTURAL ECONOMICS	1,532	742	345	73	272	445
ANTHROPOLOGY	4,415	1,577	243	195	48	2,595
ECONOMICS (EXCEPT AGRICULTURAL)	7,268	3,609	946	428	518	2,713
GEOGRAPHY	1,897	1,068	158	83	75	671
HISTORY AND PHILOSOPHY OF SCIENCE	243	135	23	15	8	85
LINGUISTICS	3,010	1,459	153	54	99	1,398
POLITICAL SCIENCE	10,890	3,663	744	431	313	6,483
SOCIOLOGY	7,510	3,410	572	397	175	3,528
SOCIOLOGY/ANTHROPOLOGY	705	357	42	27	15	306
SOCIAL SCIENCES, NEC.	7,210	1,292	338	317	21	5,580

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-21. PART-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE, INSTITUTIONAL CONTROL, AND LEVEL OF STUDY: 1977

FIELD OF SCIENCE	ALL INSTITUTIONS			PUBLIC			PRIVATE		
	TOTAL	FIRST YEAR	BEYOND FIRST YEAR	TOTAL	FIRST YEAR	BEYOND FIRST YEAR	TOTAL	FIRST YEAR	BEYOND FIRST YEAR
TOTAL, ALL FIELDS	88,484	33,278	55,206	50,902	18,709	32,193	37,582	14,569	23,013
ENGINEERING	30,292	13,092	17,200	14,068	5,922	8,146	16,224	7,170	9,054
AERONAUTICAL	357	146	211	251	104	147	106	42	64
AGRICULTURAL	119	27	92	119	27	92	0	0	0
BIOMEDICAL	157	23	134	63	11	52	94	12	82
CHEMICAL	1,281	510	771	779	303	476	502	207	295
CIVIL	4,418	1,567	2,851	2,666	1,031	1,635	1,752	536	1,216
ELECTRICAL	7,924	4,048	3,876	3,508	1,813	1,695	4,416	2,235	2,181
ENGINEERING SCIENCE	759	246	513	713	229	484	46	17	29
INDUSTRIAL	8,094	3,917	4,177	2,265	1,056	1,209	5,829	2,861	2,968
MECHANICAL	3,168	1,244	1,924	1,752	614	1,138	1,416	630	786
METALLURGICAL/MATERIALS	584	168	416	290	60	230	294	108	186
MINING	121	30	91	116	29	87	5	1	4
NUCLEAR	331	79	252	198	30	168	133	49	84
PETROLEUM	81	21	60	48	12	36	33	9	24
ENGINEERING, NEC.	2,898	1,066	1,832	1,300	603	697	1,598	463	1,135
PHYSICAL SCIENCES	2,981	770	2,211	1,767	423	1,344	1,214	347	867
ASTRONOMY	43	13	30	39	13	26	4	0	4
CHEMISTRY	1,976	545	1,431	1,119	262	857	857	283	574
PHYSICS	962	212	750	609	148	461	353	64	289
PHYSICAL SCIENCES, NEC.	0	0	0	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES	1,920	368	1,552	1,633	271	1,362	287	97	190
ATMOSPHERIC SCIENCES	112	23	89	109	22	87	3	1	2
GEOSCIENCES	1,181	211	970	962	157	805	219	54	165
OCEANOGRAPHY	352	77	275	293	39	254	59	38	21
ENVIRONMENTAL SCIENCES, NEC.	275	57	218	269	53	216	6	4	2
MATHEMATICAL SCIENCES	6,519	2,688	3,831	4,262	1,558	2,704	2,257	1,130	1,127
COMPUTER SCIENCE	2,891	1,249	1,642	1,899	704	1,195	992	545	447
MATHEMATICS AND APPLIED MATHEMATICS	3,269	1,358	1,911	2,089	778	1,311	1,180	580	600
STATISTICS	359	81	278	274	76	198	85	5	80
LIFE SCIENCES	17,938	7,036	10,902	12,360	4,644	7,716	5,578	2,392	3,186
AGRICULTURAL SCIENCES	1,891	454	1,437	1,875	451	1,424	16	3	13
BIOLOGICAL SCIENCES	6,792	2,183	4,609	4,480	1,299	3,181	2,312	884	1,428
ANATOMY	102	18	84	64	14	50	38	4	34
BIOCHEMISTRY	221	71	150	175	53	122	46	18	28
BIOLOGY	2,731	937	1,794	1,364	442	922	1,367	495	872
BIOMETRY/EPIDEMIOLOGY	158	36	122	90	12	78	68	24	44
BIOPHYSICS	23	4	19	21	3	18	2	1	1
BOTANY	310	62	248	285	56	229	25	6	19
CELL BIOLOGY	35	8	27	26	7	19	9	1	8
ECOLOGY	128	31	97	114	28	86	14	3	11
ENTOMOLOGY/PARASITOLOGY	213	52	161	210	51	159	3	1	2
GENETICS	59	16	43	37	6	31	22	10	12
MICROBIOLOGY	520	167	353	395	119	276	125	48	77
NUTRITION	845	315	530	715	255	460	130	60	70
PATHOLOGY	215	81	134	140	56	84	75	25	50
PHARMACOLOGY	121	35	86	78	23	55	43	12	31
PHYSIOLOGY	157	52	105	127	36	91	30	16	14
ZOOLOGY	450	96	354	431	95	336	19	1	18
BIOSCIENCES, NEC.	504	202	302	208	43	165	296	159	137
HEALTH SCIENCES	9,255	4,399	4,856	6,005	2,894	3,111	3,250	1,505	1,745
ANESTHESIOLOGY	2	2	0	0	0	0	2	2	0
CARDIOLOGY	2	0	2	0	0	0	2	0	2
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0
DENTISTRY	237	67	170	119	35	84	118	32	86
ENDOCRINOLOGY	7	2	5	2	0	2	5	2	3
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	11	11	0	0	0	0	11	11	0
NEUROLOGY	9	0	9	2	0	2	7	0	7
NURSING	4,724	2,593	2,131	3,166	1,798	1,368	1,558	795	763
OBSTETRICS/GYNECOLOGY	2	0	2	0	0	0	2	0	2
OPHTHALMOLOGY	3	0	3	1	0	1	2	0	2
OTORHINOLARYNGOLOGY	1	0	1	0	0	0	1	0	1
PEDIATRICS	9	7	2	2	2	0	7	5	2
PHARMACEUTICAL SCIENCES	783	249	534	216	62	154	567	187	380
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,127	502	625	669	279	390	458	223	235
PSYCHIATRY	54	0	54	41	0	41	13	0	13
PULMONARY DISEASE	0	0	0	0	0	0	0	0	0
RADIOLOGY	42	10	32	41	9	32	1	1	0
SPEECH PATHOLOGY/AUDIOLOGY ..	1,217	437	780	1,050	406	644	167	31	136
SURGERY	18	3	15	7	0	7	11	3	8
VETERINARY SCIENCES	183	59	124	183	59	124	0	0	0
CLINICAL MEDICINE, NEC.	143	65	78	112	56	56	31	9	22
HEALTH RELATED, NEC.	681	392	289	394	188	206	287	204	83
PSYCHOLOGY	6,667	1,531	5,136	3,152	721	2,431	3,515	810	2,705
SOCIAL SCIENCES	22,167	7,793	14,374	13,660	5,170	8,490	8,507	2,623	5,884
AGRICULTURAL ECONOMICS	282	68	214	282	68	214	0	0	0
ANTHROPOLOGY	1,220	224	996	857	135	722	363	89	274
ECONOMICS (EXCEPT AGRICULTURAL)	2,837	787	2,050	1,492	411	1,081	1,345	376	969
GEOGRAPHY	754	164	590	716	151	565	38	13	25
HISTORY AND PHILOSOPHY OF SCIENCE	43	4	39	28	3	25	15	1	14
LINGUISTICS	1,088	360	728	794	259	535	294	101	193
POLITICAL SCIENCE	8,856	3,047	5,809	4,450	1,715	2,735	4,406	1,332	3,074
SOCIOLOGY	3,384	1,186	2,198	2,526	953	1,573	858	233	625
SOCIOLOGY/ANTHROPOLOGY	549	120	429	231	48	183	318	72	246
SOCIAL SCIENCES, NEC.	3,154	1,833	1,321	2,284	1,427	857	870	406	464

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-22. PART-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE, INSTITUTIONAL CONTROL, AND SEX: 1977

FIELD OF SCIENCE	ALL INSTITUTIONS			PUBLIC			PRIVATE		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	88,484	62,519	25,965	50,902	34,689	16,213	37,582	27,830	9,752
ENGINEERING	30,292	28,466	1,826	14,068	13,217	851	16,224	15,249	975
AERONAUTICAL	357	344	13	251	247	4	106	97	9
AGRICULTURAL	119	114	5	119	114	5	0	0	0
BIOMEDICAL	157	143	14	63	54	9	94	89	5
CHEMICAL	1,281	1,164	117	779	696	83	502	468	34
CIVIL	4,418	4,212	206	2,666	2,543	123	1,752	1,669	83
ELECTRICAL	7,924	7,615	309	3,508	3,352	156	4,416	4,263	153
ENGINEERING SCIENCE	759	724	35	713	681	32	46	43	3
INDUSTRIAL	8,094	7,410	684	2,265	1,978	287	5,829	5,432	397
MECHANICAL	3,168	3,060	108	1,752	1,698	54	1,416	1,362	54
METALLURGICAL/MATERIALS	584	548	36	290	276	14	294	272	22
MINING	121	120	1	116	115	1	5	5	0
NUCLEAR	331	322	9	198	193	5	133	129	4
PETROLEUM	81	77	4	48	45	3	33	32	1
ENGINEERING, NEC.	2,898	2,613	285	1,300	1,225	75	1,598	1,388	210
PHYSICAL SCIENCES	2,981	2,436	545	1,767	1,455	312	1,214	981	233
ASTRONOMY	43	37	6	39	33	6	4	4	0
CHEMISTRY	1,976	1,520	456	1,119	867	252	857	653	204
PHYSICS	962	879	83	609	555	54	353	324	29
PHYSICAL SCIENCES, NEC.	0	0	0	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES	1,920	1,640	280	1,633	1,406	227	287	234	53
ATMOSPHERIC SCIENCES	112	106	6	109	103	6	3	3	0
GEOSCIENCES	1,181	974	207	962	800	162	219	174	45
OCEANOGRAPHY	352	306	46	293	253	40	59	53	6
ENVIRONMENTAL SCIENCES, NEC.	275	254	21	269	250	19	6	4	2
MATHEMATICAL SCIENCES	6,519	4,795	1,724	4,262	3,103	1,159	2,257	1,692	565
COMPUTER SCIENCE	2,891	2,329	562	1,899	1,531	368	992	798	194
MATHEMATICS AND APPLIED MATHEMATICS	3,269	2,215	1,054	2,089	1,386	703	1,180	829	351
STATISTICS	359	251	108	274	186	88	85	65	20
LIFE SCIENCES	17,938	7,628	10,310	12,360	5,501	6,859	5,578	2,127	3,451
AGRICULTURAL SCIENCES	1,891	1,600	291	1,875	1,586	289	16	14	2
BIOLOGICAL SCIENCES	6,792	3,995	2,797	4,480	2,671	1,809	2,312	1,324	988
ANATOMY	102	65	37	64	40	24	38	25	13
BIOCHEMISTRY	221	139	82	175	109	66	46	30	16
BIOLOGY	2,731	1,752	979	1,364	920	444	1,367	832	535
BIOMETRY/EPIDEMIOLOGY	158	83	75	90	50	40	68	33	35
BIOPHYSICS	23	21	2	21	19	2	2	2	0
BOTANY	310	229	81	285	212	73	25	17	8
CELL BIOLOGY	35	24	11	26	18	8	9	6	3
ECOLOGY	128	85	43	114	81	33	14	4	10
ENTOMOLOGY/PARASITOLOGY	213	176	37	210	175	35	3	1	2
GENETICS	59	24	35	37	17	20	22	7	15
MICROBIOLOGY	520	263	257	395	208	187	125	55	70
NUTRITION	845	216	629	715	202	513	130	14	116
PATHOLOGY	215	92	123	140	52	88	75	40	35
PHARMACOLOGY	121	94	27	78	61	17	43	33	10
PHYSIOLOGY	157	101	56	127	82	45	30	19	11
ZOOLOGY	450	315	135	431	301	130	19	14	5
BIOSCIENCES, NEC.	504	316	188	208	124	84	296	192	104
HEALTH SCIENCES	9,255	2,033	7,222	6,005	1,244	4,761	3,250	789	2,461
ANESTHESIOLOGY	2	2	0	0	0	0	2	2	0
CARDIOLOGY	2	2	0	0	0	0	2	2	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0
DENTISTRY	237	179	58	119	93	26	118	86	32
ENDOCRINOLOGY	7	6	1	2	2	0	5	4	1
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	11	4	7	0	0	0	11	4	7
NEUROLOGY	9	8	1	2	1	1	7	7	0
NURSING	4,724	100	4,624	3,166	75	3,091	1,558	25	1,533
OBSTETRICS/GYNECOLOGY	2	1	1	0	0	0	2	1	1
OPHTHALMOLOGY	3	2	1	1	1	0	2	1	1
OTORHINOLARYNGOLOGY	1	1	0	0	0	0	1	1	0
PEDIATRICS	9	4	5	2	0	2	7	4	3
PHARMACEUTICAL SCIENCES	783	452	331	216	164	52	567	288	279
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,127	534	593	669	360	309	458	174	284
PSYCHIATRY	54	39	15	41	33	8	13	6	7
PULMONARY DISEASE	0	0	0	0	0	0	0	0	0
RADIOLOGY	42	31	11	41	31	10	1	0	1
SPEECH PATHOLOGY/AUDIOLOGY	1,217	151	1,066	1,050	139	911	167	12	155
SURGERY	18	18	0	7	7	0	11	11	0
VETERINARY SCIENCES	183	131	52	183	131	52	0	0	0
CLINICAL MEDICINE, NEC.	143	61	82	112	54	58	31	7	24
HEALTH RELATED, NEC.	681	307	374	394	153	241	287	154	133
PSYCHOLOGY	6,667	3,471	3,196	3,152	1,491	1,661	3,515	1,980	1,535
SOCIAL SCIENCES	22,167	14,083	8,084	13,660	8,516	5,144	8,507	5,567	2,940
AGRICULTURAL ECONOMICS	282	237	45	282	237	45	0	0	0
ANTHROPOLOGY	1,220	627	593	857	463	394	363	164	199
ECONOMICS (EXCEPT AGRICULTURAL)	2,837	2,275	562	1,492	1,240	252	1,345	1,035	310
GEOGRAPHY	754	581	173	716	560	156	38	21	17
HISTORY AND PHILOSOPHY OF SCIENCE	43	32	11	28	17	11	15	15	0
LINGUISTICS	1,088	398	690	794	271	523	294	127	167
POLITICAL SCIENCE	8,856	6,228	2,628	4,450	3,091	1,359	4,406	3,137	1,269
SOCIOLOGY	3,384	1,874	1,510	2,526	1,447	1,079	858	427	431
SOCIOLOGY/ANTHROPOLOGY	549	370	179	231	149	82	318	221	97
SOCIAL SCIENCES, NEC.	3,154	1,461	1,693	2,284	1,041	1,243	870	420	450

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-23. POSTDOCTORALS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE, SOURCE OF SUPPORT, AND CITIZENSHIP: 1977

FIELD OF SCIENCE	TOTAL	SOURCE OF SUPPORT								NUMBER OF FOREIGN POSTDOCTORALS	
		FEDERAL						NON-FEDERAL			
		TOTAL		FELLOWSHIPS AND TRAINEESHIPS		RESEARCH ASSOCIATES					
		NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS	19,748	13,553	68.6	5,567	28.2	7,986	40.4	6,195	31.4	6,213	31.5
ENGINEERING	1,234	924	74.9	170	13.8	754	61.1	310	25.1	650	52.7
AERONAUTICAL	74	61	82.4	9	12.2	52	70.3	13	17.6	39	52.7
AGRICULTURAL	29	17	58.6	1	3.4	16	55.2	12	41.4	12	41.4
BIOMEDICAL	66	40	60.6	27	40.9	13	19.7	26	39.4	9	13.6
CHEMICAL	211	157	74.4	34	16.1	123	58.3	54	25.6	130	61.6
CIVIL	151	99	65.6	11	7.3	88	58.3	52	34.4	92	60.9
ELECTRICAL	168	137	81.5	9	5.4	128	76.2	31	18.5	71	42.3
ENGINEERING SCIENCE	107	91	85.0	45	42.1	46	43.0	16	15.0	46	43.0
INDUSTRIAL	22	8	36.4	0	.0	8	36.4	14	63.6	8	36.4
MECHANICAL	120	87	72.5	3	2.5	84	70.0	33	27.5	63	52.5
METALLURGICAL/MATERIALS	206	168	81.6	30	14.6	138	67.0	38	18.4	139	67.5
MINING	14	13	92.9	0	.0	13	92.9	1	7.1	8	57.1
NUCLEAR	21	10	47.6	0	.0	10	47.6	11	52.4	7	33.3
PETROLEUM	18	17	94.4	1	5.6	16	88.9	1	5.6	12	66.7
ENGINEERING, NEC.	27	19	70.4	0	.0	19	70.4	8	29.6	14	51.9
PHYSICAL SCIENCES	4,180	3,399	81.3	465	11.1	2,934	70.2	781	18.7	1,725	41.3
ASTRONOMY	155	115	74.2	14	9.0	101	65.2	40	25.8	29	18.7
CHEMISTRY	2,628	2,083	79.3	342	13.0	1,741	66.2	545	20.7	1,224	46.6
PHYSICS	1,397	1,201	86.0	109	7.8	1,092	78.2	196	14.0	472	33.8
PHYSICAL SCIENCES, NEC.	0	0	.0	0	.0	0	.0	0	.0	0	.0
ENVIRONMENTAL SCIENCES	376	312	83.0	35	9.3	277	73.7	64	17.0	111	29.5
ATMOSPHERIC SCIENCES	62	59	95.2	2	3.2	57	91.9	3	4.8	12	19.4
GEOSCIENCES	234	196	83.8	24	10.3	172	73.5	38	16.2	82	35.0
OCEANOGRAPHY	69	49	71.0	8	11.6	41	59.4	20	29.0	12	17.4
ENVIRONMENTAL SCIENCES, NEC.	11	8	72.7	1	9.1	7	63.6	3	27.3	5	45.5
MATHEMATICAL SCIENCES	148	92	62.2	13	8.8	79	53.4	56	37.8	53	35.8
COMPUTER SCIENCE	59	51	86.4	6	10.2	45	76.3	8	13.6	12	20.3
MATHEMATICS AND APPLIED MATHEMATICS	72	36	50.0	5	6.9	31	43.1	36	50.0	31	43.1
STATISTICS	17	5	29.4	2	11.8	3	17.6	12	70.6	10	58.8
LIFE SCIENCES	13,065	8,441	64.6	4,670	35.7	3,771	28.9	4,624	35.4	3,538	27.1
AGRICULTURAL SCIENCES	347	194	55.9	10	2.9	184	53.0	153	44.1	97	28.0
BIOLOGICAL SCIENCES	6,609	5,006	75.7	2,310	35.0	2,696	40.8	1,603	24.3	1,990	30.1
ANATOMY	218	156	71.6	88	40.4	68	31.2	62	28.4	51	23.4
BIOCHEMISTRY	1,411	1,136	80.5	311	22.0	825	58.5	275	19.5	512	36.3
BIOLOGY	908	671	73.9	301	33.1	370	40.7	237	26.1	311	34.3
BIOMETRY/EPIDEMIOLOGY	44	25	56.8	24	54.5	1	2.3	19	43.2	14	31.8
BIOPHYSICS	236	214	90.7	126	53.4	88	37.3	22	9.3	83	35.2
BOTANY	157	100	63.7	10	6.4	90	57.3	57	36.3	56	35.7
CELL BIOLOGY	254	190	74.8	89	35.0	101	39.8	64	25.2	66	26.0
ECOLOGY	9	8	88.9	0	.0	8	88.9	1	11.1	1	11.1
ENTOMOLOGY/PARASITOLOGY	113	78	69.0	22	19.5	56	49.6	35	31.0	38	33.6
GENETICS	204	160	78.4	82	40.2	78	38.2	44	21.6	46	22.5
MICROBIOLOGY	847	624	73.7	342	40.4	282	33.3	223	26.3	211	24.9
NUTRITION	172	118	68.6	47	27.3	71	41.3	54	31.4	51	29.7
PATHOLOGY	581	408	70.2	280	48.2	128	22.0	173	29.8	136	23.4
PHARMACOLOGY	540	429	79.4	218	40.4	211	39.1	111	20.6	205	38.0
PHYSIOLOGY	632	497	78.6	270	42.7	227	35.9	135	21.4	151	23.9
ZOOLOGY	157	107	68.2	54	34.4	53	33.8	50	31.8	28	17.8
BIOSCIENCES, NEC.	126	85	67.5	46	36.5	39	31.0	41	32.5	30	23.8
HEALTH SCIENCES	6,109	3,241	53.1	2,350	38.5	891	14.6	2,868	46.9	1,451	23.8
ANESTHESIOLOGY	75	33	44.0	20	26.7	13	17.3	42	56.0	19	25.3
CARDIOLOGY	510	238	46.7	163	32.0	75	14.7	272	53.3	98	19.2
CLINICAL PHARMACOLOGY	82	55	67.1	43	52.4	12	14.6	27	32.9	20	24.4
DENTISTRY	214	61	28.5	51	23.8	10	4.7	153	71.5	36	16.8
ENDOCRINOLOGY	227	129	56.8	97	42.7	32	14.1	98	43.2	60	26.4
GASTROENTEROLOGY	201	96	47.8	76	37.8	20	10.0	105	52.2	33	16.4
HEMATOLOGY	252	164	65.1	109	43.3	55	21.8	88	34.9	48	19.0
NEUROLOGY	279	170	60.9	135	48.4	35	12.5	109	39.1	52	18.6
NURSING	0	0	**	0	**	0	**	0	**	0	**
OBSTETRICS/GYNECOLOGY	172	78	45.3	60	34.9	18	10.5	94	54.7	66	38.4
OPHTHALMOLOGY	186	132	71.0	106	57.0	26	14.0	54	29.0	54	29.0
OTORHINOLARYNGOLOGY	30	17	56.7	5	16.7	12	40.0	13	43.3	8	26.7
PEDIATRICS	580	290	50.0	228	39.3	62	10.7	290	50.0	148	25.5
PHARMACEUTICAL SCIENCES	234	172	73.5	42	17.9	130	55.6	62	26.5	129	55.1
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	140	97	69.3	86	61.4	11	7.9	43	30.7	15	10.7
PSYCHIATRY	366	236	64.5	204	55.7	32	8.7	130	35.5	35	9.6
PULMONARY DISEASE	240	105	43.8	83	34.6	22	9.2	135	56.3	38	15.8
RADIOLOGY	176	101	57.4	50	28.4	51	29.0	75	42.6	63	35.8
SPEECH PATHOLOGY/AUDIOLOGY	30	17	56.7	11	36.7	6	20.0	13	43.3	2	6.7
SURGERY	449	212	47.2	125	27.8	87	19.4	237	52.8	155	34.5
VETERINARY SCIENCES	98	57	58.2	16	16.3	41	41.8	41	41.8	26	26.5
CLINICAL MEDICINE, NEC.	1,516	733	48.4	595	39.2	138	9.1	783	51.6	343	22.6
HEALTH RELATED, NEC.	52	48	92.3	45	86.5	3	5.8	4	7.7	3	5.8
PSYCHOLOGY	385	228	59.2	125	32.5	103	26.8	157	40.8	38	9.9
SOCIAL SCIENCES	360	157	43.6	89	24.7	68	18.9	203	56.4	98	27.2
AGRICULTURAL ECONOMICS	28	7	25.0	0	.0	7	25.0	21	75.0	4	14.3
ANTHROPOLOGY	53	24	45.3	20	37.7	4	7.5	29	54.7	7	13.2
ECONOMICS (EXCEPT AGRICULTURAL)	66	13	19.7	4	6.1	9	13.6	53	80.3	36	54.5
GEOGRAPHY	9	4	44.4	0	.0	4	44.4	5	55.6	7	77.8
HISTORY AND PHILOSOPHY OF SCIENCE	22	6	27.3	3	13.6	3	13.6	16	72.7	7	31.8
LINGUISTICS	30	7	23.3	3	10.0	4	13.3	23	76.7	14	46.7
POLITICAL SCIENCE	36	16	44.4	9	25.0	7	19.4	20	55.6	11	30.6
SOCIOLOGY	100	75	75.0	50	50.0	25	25.0	25	25.0	11	11.0
SOCIOLOGY/ANTHROPOLOGY	4	1	25.0	0	.0	1	25.0	3	75.0	0	.0
SOCIAL SCIENCES, NEC.	12	4	33.3	0	.0	4	33.3	8	66.7	1	8.3

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE 8-24. POSTDOCTORALS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE, SOURCE OF SUPPORT, AND CITIZENSHIP: 1977

FIELD OF SCIENCE	TOTAL	SOURCE OF SUPPORT								NUMBER OF FOREIGN POSTDOCTORALS	
		FEDERAL						NON-FEDERAL			
		TOTAL		FELLOWSHIPS AND TRAINEESHIPS		RESEARCH ASSOCIATES					
		NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS	10,577	7,375	69.7	2,567	24.3	4,808	45.5	3,202	30.3	3,355	31.7
ENGINEERING	638	458	71.8	52	8.2	406	63.6	180	28.2	379	59.4
AERONAUTICAL	25	16	64.0	0	.0	16	64.0	9	36.0	21	84.0
AGRICULTURAL	28	16	57.1	0	.0	16	57.1	12	42.9	11	39.3
BIOMEDICAL	7	5	71.4	2	28.6	3	42.9	2	28.6	3	42.9
CHEMICAL	142	102	71.8	20	14.1	82	57.7	40	28.2	93	65.5
CIVIL	79	46	58.2	4	5.1	42	53.2	33	41.8	48	60.8
ELECTRICAL	89	65	73.0	1	1.1	64	71.9	24	27.0	45	50.6
ENGINEERING SCIENCE	39	30	76.9	6	15.4	24	61.5	9	23.1	20	51.3
INDUSTRIAL	11	6	54.5	0	.0	6	54.5	5	45.5	3	27.3
MECHANICAL	71	53	74.6	3	4.2	50	70.4	18	25.4	39	54.9
METALLURGICAL/MATERIALS	101	84	83.2	15	14.9	69	68.3	17	16.8	68	67.3
MINING	7	7	100.0	0	.0	7	100.0	0	.0	4	57.1
NUCLEAR	12	6	50.0	0	.0	6	50.0	6	50.0	7	58.3
PETROLEUM	17	17	100.0	1	5.9	16	94.1	0	.0	11	64.7
ENGINEERING, NEC.	10	5	50.0	0	.0	5	50.0	5	50.0	6	60.0
PHYSICAL SCIENCES	2,418	2,025	83.7	178	7.4	1,847	76.4	393	16.3	983	40.7
ASTRONOMY	81	65	80.2	1	1.2	64	79.0	16	19.8	14	17.3
CHEMISTRY	1,583	1,300	82.1	167	10.5	1,133	71.6	283	17.9	714	45.1
PHYSICS	754	660	87.5	10	1.3	650	86.2	94	12.5	255	33.8
PHYSICAL SCIENCES, NEC.	0	0	.0	0	.0	0	.0	0	.0	0	.0
ENVIRONMENTAL SCIENCES	249	213	85.5	14	5.6	199	79.9	36	14.5	60	24.1
ATMOSPHERIC SCIENCES	54	51	94.4	2	3.7	49	90.7	3	5.6	9	16.7
GEOSCIENCES	128	107	83.6	3	2.3	104	81.3	21	16.4	40	31.3
OCEANOGRAPHY	58	47	81.0	8	13.8	39	67.2	11	19.0	8	13.8
ENVIRONMENTAL SCIENCES, NEC.	9	8	88.9	1	11.1	7	77.8	1	11.1	3	33.3
MATHEMATICAL SCIENCES	59	32	54.2	5	8.5	27	45.8	27	45.8	22	37.3
COMPUTER SCIENCE	27	22	81.5	2	7.4	20	74.1	5	18.5	7	25.9
MATHEMATICS AND APPLIED MATHEMATICS	17	6	35.3	1	5.9	5	29.4	11	64.7	6	35.3
STATISTICS	15	4	26.7	2	13.3	2	13.3	11	73.3	9	60.0
LIFE SCIENCES	6,871	4,455	64.8	2,217	32.3	2,238	32.6	2,416	35.2	1,850	26.9
AGRICULTURAL SCIENCES	328	185	56.4	10	3.0	175	53.4	143	43.6	94	28.7
BIOLOGICAL SCIENCES	3,540	2,656	75.0	1,095	30.9	1,561	44.1	884	25.0	1,051	29.7
ANATOMY	117	82	70.1	45	38.5	37	31.6	35	29.9	32	27.4
BIOCHEMISTRY	770	622	80.8	154	20.0	468	60.8	148	19.2	282	36.6
BIOLOGY	353	263	74.5	87	24.6	176	49.9	90	25.5	111	31.4
BIOMETRY/EPIDEMIOLOGY	27	24	88.9	23	85.2	1	3.7	3	11.1	3	11.1
BIOPHYSICS	72	64	88.9	33	45.8	31	43.1	8	11.1	27	37.5
BOTANY	142	89	62.7	10	7.0	79	55.6	53	37.3	52	36.6
CELL BIOLOGY	119	93	78.2	32	26.9	61	51.3	26	21.8	36	30.3
ECOLOGY	7	6	85.7	0	.0	6	85.7	1	14.3	1	14.3
ENTOMOLOGY/PARASITOLOGY	98	65	66.3	14	14.3	51	52.0	33	33.7	31	31.6
GENETICS	110	87	79.1	43	39.1	44	40.0	23	20.9	19	17.3
MICROBIOLOGY	512	391	76.4	207	40.4	184	35.9	121	23.6	113	22.1
NUTRITION	67	45	67.2	6	9.0	39	58.2	22	32.8	26	38.8
PATHOLOGY	253	165	65.2	100	39.5	65	25.7	88	34.8	61	24.1
PHARMACOLOGY	282	225	79.8	103	36.5	122	43.3	57	20.2	116	41.1
PHYSIOLOGY	380	282	74.2	160	42.1	122	32.1	98	25.8	91	23.9
ZOOLOGY	138	92	66.7	47	34.1	45	32.6	46	33.3	26	18.8
BIOSCIENCES, NEC.	93	61	65.6	31	33.3	30	32.3	32	34.4	24	25.8
HEALTH SCIENCES	3,003	1,614	53.7	1,112	37.0	502	16.7	1,389	46.3	705	23.5
ANESTHESIOLOGY	38	13	34.2	6	15.8	7	18.4	25	65.8	9	23.7
CARDIOLOGY	267	146	54.7	93	34.8	53	19.9	121	45.3	60	22.5
CLINICAL PHARMACOLOGY	50	39	78.0	39	78.0	0	.0	11	22.0	12	24.0
DENTISTRY	160	45	28.1	35	21.9	10	6.3	115	71.9	18	11.2
ENDOCRINOLOGY	115	69	60.0	50	43.5	19	16.5	46	40.0	32	27.8
GASTROENTEROLOGY	104	57	54.8	47	45.2	10	9.6	47	45.2	15	14.4
HEMATOLOGY	107	68	63.6	50	46.7	18	16.8	39	36.4	22	20.6
NEUROLOGY	108	73	67.6	59	54.6	14	13.0	35	32.4	15	13.9
NURSING	0	0	.0	0	.0	0	.0	0	.0	0	.0
OBSTETRICS/GYNECOLOGY	84	40	47.6	34	40.5	6	7.1	44	52.4	26	31.0
OPHTHALMOLOGY	49	32	65.3	28	57.1	4	8.2	17	34.7	13	26.5
OTORHINOLARYNGOLOGY	19	10	52.6	5	26.3	5	26.3	9	47.4	1	5.3
PEDIATRICS	228	93	40.8	67	29.4	26	11.4	135	59.2	67	29.4
PHARMACEUTICAL SCIENCES	220	164	74.5	42	19.1	122	55.5	56	25.5	124	56.4
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	78	59	75.6	49	62.8	10	12.8	19	24.4	7	9.0
PSYCHIATRY	130	84	64.6	78	60.0	6	4.6	46	35.4	13	10.0
PULMONARY DISEASE	119	46	38.7	42	35.3	4	3.4	73	61.3	14	11.8
RADIOLOGY	59	45	76.3	26	44.1	19	32.2	14	23.7	10	16.9
SPEECH PATHOLOGY/AUDIOLOGY	30	17	56.7	11	36.7	6	20.0	13	43.3	2	6.7
SURGERY	198	92	46.5	38	19.2	54	27.3	106	53.5	60	30.3
VETERINARY SCIENCES	67	33	49.3	7	10.4	26	38.8	34	50.7	20	29.9
CLINICAL MEDICINE, NEC.	733	351	47.9	269	36.7	82	11.2	382	52.1	164	22.4
HEALTH RELATED, NEC.	40	38	95.0	37	92.5	1	2.5	2	5.0	1	2.5
PSYCHOLOGY	140	102	72.9	52	37.1	50	35.7	38	27.1	15	10.7
SOCIAL SCIENCES	202	90	44.6	49	24.3	41	20.3	112	55.4	46	22.8
AGRICULTURAL ECONOMICS	28	7	25.0	0	.0	7	25.0	21	75.0	4	14.3
ANTHROPOLOGY	40	15	37.5	15	37.5	0	.0	25	62.5	4	10.0
ECONOMICS (EXCEPT AGRICULTURAL)	18	4	22.2	0	.0	4	22.2	14	77.8	8	44.4
GEOGRAPHY	8	4	50.0	0	.0	4	50.0	4	50.0	6	75.0
HISTORY AND PHILOSOPHY OF SCIENCE	4	4	100.0	2	50.0	2	50.0	0	.0	2	50.0
LINGUISTICS	23	2	8.7	0	.0	2	8.7	21	91.3	13	56.5
POLITICAL SCIENCE	21	9	42.9	4	19.0	5	23.8	12	57.1	6	28.6
SOCIOLOGY	46	41	89.1	28	60.9	13	28.3	5	10.9	3	6.5
SOCIOLOGY/ANTHROPOLOGY	4	1	25.0	0	.0	1	25.0	3	75.0	0	.0
SOCIAL SCIENCES, NEC.	10	3	30.0	0	.0	3	30.0	7	70.0	0	.0

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-25. POSTDOCTORALS IN PRIVATELY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE, SOURCE OF SUPPORT, AND CITIZENSHIP: 1977

FIELD OF SCIENCE	TOTAL	SOURCE OF SUPPORT								NUMBER OF FOREIGN POSTDOCTORALS	
		FEDERAL						NON-FEDERAL			
		TOTAL		FELLOWSHIPS AND TRAINEESHIPS		RESEARCH ASSOCIATES					
		NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS	9,171	6,178	67.4	3,000	32.7	3,178	34.7	2,993	32.6	2,858	31.2
ENGINEERING	596	466	78.2	118	19.8	348	58.4	130	21.8	271	45.5
AERONAUTICAL	49	45	91.8	9	18.4	36	73.5	4	8.2	18	36.7
AGRICULTURAL	1	1	100.0	1	100.0	0	.0	0	.0	1	100.0
BIOMEDICAL	59	35	59.3	25	42.4	10	16.9	24	40.7	6	10.2
CHEMICAL	69	55	79.7	14	20.3	41	59.4	14	20.3	37	53.6
CIVIL	72	53	73.6	7	9.7	46	63.9	19	26.4	44	61.1
ELECTRICAL	79	72	91.1	8	10.1	64	81.0	7	8.9	26	32.9
ENGINEERING SCIENCE	68	61	89.7	39	57.4	22	32.4	7	10.3	26	38.2
INDUSTRIAL	11	2	18.2	0	.0	2	18.2	9	81.8	5	45.5
MECHANICAL	49	34	69.4	0	.0	34	69.4	15	30.6	24	49.0
METALLURGICAL/MATERIALS	105	84	80.0	15	14.3	69	65.7	21	20.0	71	67.6
MINING	7	6	85.7	0	.0	6	85.7	1	14.3	4	57.1
NUCLEAR	9	4	44.4	0	.0	4	44.4	5	55.6	0	.0
PETROLEUM	1	0	.0	0	.0	0	.0	1	100.0	1	100.0
ENGINEERING, NEC.	17	14	82.4	0	.0	14	82.4	3	17.6	8	47.1
PHYSICAL SCIENCES	1,762	1,374	78.0	287	16.3	1,087	61.7	388	22.0	742	42.1
ASTRONOMY	74	50	67.6	13	17.6	37	50.0	24	32.4	15	20.3
CHEMISTRY	1,045	783	74.9	175	16.7	608	58.2	262	25.1	510	48.8
PHYSICS	643	541	84.1	99	15.4	442	68.7	102	15.9	217	33.7
PHYSICAL SCIENCES, NEC.	0	0	.0	0	.0	0	.0	0	.0	0	.0
ENVIRONMENTAL SCIENCES	127	99	78.0	21	16.5	78	61.4	28	22.0	51	40.2
ATMOSPHERIC SCIENCES	8	8	100.0	0	.0	8	100.0	0	.0	3	37.5
GEOSCIENCES	106	89	84.0	21	19.8	68	64.2	17	16.0	42	39.6
OCEANOGRAPHY	11	2	18.2	0	.0	2	18.2	9	81.8	4	36.4
ENVIRONMENTAL SCIENCES, NEC.	2	0	.0	0	.0	0	.0	2	100.0	2	100.0
MATHEMATICAL SCIENCES	89	60	67.4	8	9.0	52	58.4	29	32.6	31	34.8
COMPUTER SCIENCE	32	29	90.6	4	12.5	25	78.1	3	9.4	5	15.6
MATHEMATICS AND APPLIED MATHEMATICS	55	30	54.5	4	7.3	26	47.3	25	45.5	25	45.5
STATISTICS	2	1	50.0	0	.0	1	50.0	1	50.0	1	50.0
LIFE SCIENCES	6,194	3,986	64.4	2,453	39.6	1,533	24.7	2,208	35.6	1,688	27.3
AGRICULTURAL SCIENCES	19	9	47.4	0	.0	9	47.4	10	52.6	3	15.8
BIOLOGICAL SCIENCES	3,069	2,350	76.6	1,215	39.6	1,135	37.0	719	23.4	939	30.6
ANATOMY	101	74	73.3	43	42.6	31	30.7	27	26.7	19	18.8
BIOCHEMISTRY	641	514	80.2	157	24.5	357	55.7	127	19.8	230	35.9
BIOLOGY	555	408	73.5	214	38.6	194	35.0	147	26.5	200	36.0
BIOMETRY/EPIDEMIOLOGY	17	1	5.9	1	5.9	0	.0	16	94.1	11	64.7
BIOPHYSICS	164	150	91.5	93	56.7	57	34.8	14	8.5	56	34.1
BOTANY	15	11	73.3	0	.0	11	73.3	4	26.7	4	26.7
CELL BIOLOGY	135	97	71.9	57	42.2	40	29.6	38	28.1	30	22.2
ECOLOGY	2	2	100.0	0	.0	2	100.0	0	.0	0	.0
ENTOMOLOGY/PARASITOLOGY	15	13	86.7	8	53.3	5	33.3	2	13.3	7	46.7
GENETICS	94	73	77.7	39	41.5	34	36.2	21	22.3	27	28.7
MICROBIOLOGY	335	233	69.6	135	40.3	98	29.3	102	30.4	98	29.3
NUTRITION	105	73	69.5	41	39.0	32	30.5	32	30.5	25	23.8
PATHOLOGY	328	243	74.1	180	54.9	63	19.2	85	25.9	75	22.9
PHARMACOLOGY	258	204	79.1	115	44.6	89	34.5	54	20.9	89	34.5
PHYSIOLOGY	252	215	85.3	110	43.7	105	41.7	37	14.7	60	23.8
ZOOLOGY	19	15	78.9	7	36.8	8	42.1	4	21.1	2	10.5
BIOSCIENCES, NEC.	33	24	72.7	15	45.5	9	27.3	9	27.3	6	18.2
HEALTH SCIENCES	3,106	1,627	52.4	1,238	39.9	389	12.5	1,479	47.6	746	24.0
ANESTHESIOLOGY	37	20	54.1	14	37.8	6	16.2	17	45.9	10	27.0
CARDIOLOGY	243	92	37.9	70	28.8	22	9.1	151	62.1	38	15.6
CLINICAL PHARMACOLOGY	32	16	50.0	4	12.5	12	37.5	16	50.0	8	25.0
DENTISTRY	54	16	29.6	16	29.6	0	.0	38	70.4	18	33.3
ENDOCRINOLOGY	112	60	53.6	47	42.0	13	11.6	52	46.4	28	25.0
GASTROENTEROLOGY	97	39	40.2	29	29.9	10	10.3	58	59.8	18	18.6
HEMATOLOGY	145	96	66.2	59	40.7	37	25.5	49	33.8	26	17.9
NEUROLOGY	171	97	56.7	76	44.4	21	12.3	74	43.3	37	21.6
NURSING	0	0	**	0	**	0	**	0	**	0	**
OBSTETRICS/GYNECOLOGY	88	38	43.2	26	29.5	12	13.6	50	56.8	40	45.5
OPHTHALMOLOGY	137	100	73.0	78	56.9	22	16.1	37	27.0	41	29.9
OTORHINOLARYNGOLOGY	11	7	63.6	0	.0	7	63.6	4	36.4	7	63.6
PEDIATRICS	352	197	56.0	161	45.7	36	10.2	155	44.0	81	23.0
PHARMACEUTICAL SCIENCES	14	8	57.1	0	.0	8	57.1	6	42.9	5	35.7
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	62	38	61.3	37	59.7	1	1.6	24	38.7	8	12.9
PSYCHIATRY	236	152	64.4	126	53.4	26	11.0	84	35.6	22	9.3
PULMONARY DISEASE	121	59	48.8	41	33.9	18	14.9	62	51.2	24	19.8
RADIOLOGY	117	56	47.9	24	20.5	32	27.4	61	52.1	53	45.3
SPEECH PATHOLOGY/AUDIOLOGY	0	0	**	0	**	0	**	0	**	0	**
SURGERY	251	120	47.8	87	34.7	33	13.1	131	52.2	95	37.8
VETERINARY SCIENCES	31	24	77.4	9	29.0	15	48.4	7	22.6	6	19.4
CLINICAL MEDICINE, NEC.	783	382	48.8	326	41.6	56	7.2	401	51.2	179	22.9
HEALTH RELATED, NEC.	12	10	83.3	8	66.7	2	16.7	2	16.7	2	16.7
PSYCHOLOGY	245	126	51.4	73	29.8	53	21.6	119	48.6	23	9.4
SOCIAL SCIENCES	158	67	42.4	40	25.3	27	17.1	91	57.6	52	32.9
AGRICULTURAL ECONOMICS	0	0	**	0	**	0	**	0	**	0	**
ANTHROPOLOGY	13	9	69.2	5	38.5	4	30.8	4	30.8	3	23.1
ECONOMICS (EXCEPT AGRICULTURAL)	48	9	18.8	4	8.3	5	10.4	39	81.3	28	58.3
GEOGRAPHY	1	0	.0	0	.0	0	.0	1	100.0	1	100.0
HISTORY AND PHILOSOPHY OF SCIENCE	18	2	11.1	1	5.6	1	5.6	16	88.9	5	27.8
LINGUISTICS	7	5	71.4	3	42.9	2	28.6	2	28.6	1	14.3
POLITICAL SCIENCE	15	7	46.7	5	33.3	2	13.3	8	53.3	5	33.3
SOCIOLOGY	54	34	63.0	22	40.7	12	22.2	20	37.0	8	14.8
SOCIOLOGY/ANTHROPOLOGY	0	0	**	0	**	0	**	0	**	0	**
SOCIAL SCIENCES, NEC.	2	1	50.0	0	.0	1	50.0	1	50.0	1	50.0

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-26. GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS,
BY FIELD OF SCIENCE AND ENROLLMENT STATUS: 1975-77

FIELD OF SCIENCE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	293612	297402	306710	1.3	3.1	210660	213843	218226	1.5	2.0	82,952	83,559	88,484	0.7	5.9
ENGINEERING	66,000	65,401	68,108	-.9	4.1	37,660	36,838	37,816	-2.2	2.7	28,340	28,563	30,292	.8	6.1
AERONAUTICAL	1,777	1,596	1,691	-10.2	6.0	1,343	1,279	1,334	-4.8	4.3	434	317	357	-27.0	12.6
AGRICULTURAL	741	859	872	15.9	1.5	640	714	753	11.6	5.5	101	145	119	43.6	-17.9
BIOMEDICAL	915	877	880	-4.2	.3	811	717	723	-11.6	.8	104	160	157	53.8	-1.9
CHEMICAL	4,998	5,102	5,210	2.1	2.1	3,548	3,675	3,929	3.6	6.9	1,450	1,427	1,281	-1.6	-10.2
CIVIL	11,115	10,390	10,757	-6.5	3.5	6,552	6,078	6,339	-7.2	4.3	4,563	4,312	4,418	-5.5	2.5
ELECTRICAL	15,380	14,984	16,156	-2.6	7.8	8,052	7,929	8,232	-1.5	3.8	7,328	7,055	7,924	-3.7	12.3
ENGINEERING SCIENCE	2,514	2,503	2,297	-.4	-8.2	1,708	1,704	1,538	-.2	-9.7	806	799	759	-.9	-5.0
INDUSTRIAL	11,840	12,182	12,177	2.9	*	4,598	4,275	4,083	-7.0	-4.5	7,242	7,907	8,094	9.2	2.4
MECHANICAL	7,346	7,143	7,568	-2.8	5.9	4,309	4,321	4,400	.3	1.8	3,037	2,822	3,168	-7.1	12.3
METALLURGICAL/MATERIALS	2,436	2,444	2,543	.3	4.1	1,820	1,891	1,959	3.9	3.6	616	553	584	-10.2	5.6
MINING	416	520	571	25.0	9.8	350	413	450	18.0	9.0	66	107	121	62.1	13.1
NUCLEAR	1,637	1,611	1,496	-1.6	-7.1	1,267	1,233	1,165	-2.7	-5.5	370	378	331	2.2	-12.4
PETROLEUM	393	469	483	19.3	3.0	315	413	402	31.1	-2.7	78	56	81	-28.2	44.6
ENGINEERING, NEC.	4,492	4,721	5,407	5.1	14.5	2,347	2,196	2,509	-6.4	14.3	2,145	2,525	2,898	17.7	14.8
PHYSICAL SCIENCES	24,422	24,742	24,702	1.3	-.2	21,285	21,612	21,721	1.5	.5	3,137	3,130	2,981	-.2	-4.8
ASTRONOMY	621	585	543	-5.8	-7.2	570	525	500	-7.9	-4.8	51	60	43	17.6	-28.3
CHEMISTRY	13,917	14,258	14,411	2.5	1.1	11,901	12,264	12,435	3.1	1.4	2,016	1,994	1,976	-1.1	-.9
PHYSICS	9,882	9,899	9,746	.2	-1.5	8,813	8,823	8,784	.1	-.4	1,069	1,076	962	.7	-10.6
PHYSICAL SCIENCES, NEC.	2	0	2	-100.0	**	1	0	2	-100.0	**	1	0	0	-100.0	**
ENVIRONMENTAL SCIENCES	10,364	10,858	11,154	4.8	2.7	8,472	8,934	9,234	5.5	3.4	1,892	1,924	1,920	1.7	-.2
ATMOSPHERIC SCIENCES ...	997	996	1,001	-.1	.5	892	888	889	-.4	.1	105	108	112	2.9	3.7
GEOSCIENCES	6,770	7,180	7,382	6.1	2.8	5,638	6,082	6,201	7.0	2.8	1,132	1,148	1,181	1.4	2.9
OCEANOGRAPHY	2,046	2,065	2,094	.9	1.4	1,642	1,697	1,742	3.3	2.7	404	368	352	-8.9	-4.3
ENVIRONMENTAL SCIENCES, NEC.	551	617	677	12.0	9.7	300	317	402	5.7	26.8	251	300	275	19.5	-8.3
MATHEMATICAL SCIENCES	20,337	20,504	20,004	.8	-2.4	13,579	13,882	13,485	2.2	-2.9	6,758	6,622	6,519	-2.0	-1.6
COMPUTER SCIENCE	6,429	6,856	7,043	6.6	2.7	3,956	4,238	4,152	7.1	-2.0	2,473	2,618	2,891	5.9	10.4
MATHEMATICS AND APPLIED MATHEMATICS ..	12,030	11,746	11,084	-2.4	-5.6	8,168	8,137	7,815	-.4	-4.0	3,862	3,609	3,269	-6.6	-9.4
STATISTICS	1,878	1,902	1,877	1.3	-1.3	1,455	1,507	1,518	3.6	.7	423	395	359	-6.6	-9.1
LIFE SCIENCES	73,022	76,435	82,277	4.7	7.6	59,440	61,637	64,339	3.7	4.4	13,582	14,798	17,938	9.0	21.2
AGRICULTURAL SCIENCES	11,494	12,160	12,511	5.8	2.9	9,725	10,387	10,620	6.8	2.2	1,769	1,773	1,891	.2	6.7
BIOLOGICAL SCIENCES	40,662	41,361	42,563	1.7	2.9	34,663	35,158	35,771	1.4	1.7	5,999	6,203	6,792	3.4	9.5
ANATOMY	1,070	1,112	1,145	3.9	3.0	986	1,038	1,043	5.3	.5	84	74	102	-11.9	37.8
BIOCHEMISTRY	3,656	3,672	3,756	.4	2.3	3,385	3,438	3,535	1.6	2.8	271	234	221	-13.7	-5.6
BIOLOGY	11,588	11,653	11,592	.6	-.5	8,889	8,851	8,861	-.4	.1	2,699	2,802	2,731	3.8	-2.5
BIOMETRY/EPIDEMIOLOGY ..	691	640	835	-7.4	30.5	589	534	677	-9.3	26.8	102	106	158	3.9	49.1
BIOPHYSICS	800	695	646	-13.1	-7.1	708	667	623	-5.8	-6.6	92	28	23	-69.6	-17.9
BOTANY	2,714	2,914	3,043	7.4	4.4	2,430	2,600	2,733	7.0	5.1	284	314	310	10.6	-1.3
CELL BIOLOGY	602	565	619	-6.1	9.6	582	535	584	-8.1	9.2	20	30	35	50.0	16.7
ECOLOGY	763	848	988	11.1	16.5	677	728	860	7.5	18.1	86	120	128	39.5	6.7
ENTOMOLOGY/PARASITOLOGY	1,549	1,581	1,581	2.1	.0	1,370	1,403	1,368	2.4	-2.5	179	178	213	-.6	19.7
GENETICS	817	841	964	2.9	14.6	757	768	905	1.5	17.8	60	73	59	21.7	-19.2
MICROBIOLOGY	3,877	4,045	4,099	4.3	1.3	3,490	3,568	3,579	2.2	.3	387	477	520	23.3	9.0
NUTRITION	2,731	3,021	3,606	10.6	19.4	2,334	2,499	2,761	7.1	10.5	397	522	845	31.5	61.9
PATHOLOGY	1,050	1,036	1,163	-1.3	12.3	891	927	948	4.0	2.3	159	109	215	-31.4	97.2
PHARMACOLOGY	1,606	1,692	1,751	5.4	3.5	1,508	1,576	1,630	4.5	3.4	98	116	121	18.4	4.3
PHYSIOLOGY	2,307	2,265	2,143	-1.8	-5.4	2,091	2,041	1,986	-2.4	-2.7	216	224	157	3.7	-29.9
ZOOLOGY	3,520	3,286	3,076	-6.6	-6.4	3,058	2,874	2,626	-6.0	-8.6	462	412	450	-10.8	9.2
BIOSCIENCES, NEC.	1,321	1,495	1,556	13.2	4.1	918	1,111	1,052	21.0	-5.3	403	384	504	-4.7	31.3
HEALTH SCIENCES	20,866	22,914	27,203	9.8	18.7	15,052	16,092	17,948	6.9	11.5	5,814	6,822	9,255	17.3	35.7
ANESTHESIOLOGY	55	5	4	-90.9	-20.0	55	5	2	-90.9	-60.0	0	0	2	**	**
CARDIOLOGY	35	16	5	-54.3	-68.8	34	14	3	-58.8	-78.6	1	2	2	100.0	.0
CLINICAL PHARMACOLOGY ..	4	24	16	500.0	-33.3	3	24	16	700.0	-33.3	1	0	0	-100.0	**
DENTISTRY	1,297	1,206	1,431	-7.0	18.7	1,099	1,022	1,194	-7.0	16.8	198	184	237	-7.1	28.8
ENDOCRINOLOGY	45	37	42	-17.8	13.5	45	33	35	-26.7	6.1	0	4	7	**	75.0
GASTROENTEROLOGY	16	8	8	-50.0	.0	12	8	8	-33.3	.0	4	0	0	-100.0	**
HEMATOLOGY	5	4	18	-20.0	350.0	5	3	7	-40.0	133.3	0	1	11	**	1000.0
NEUROLOGY	359	337	345	-6.1	2.4	353	327	336	-7.4	2.8	6	10	9	66.7	-10.0
NURSING	4,716	6,563	9,774	39.2	48.9	2,727	3,779	5,050	38.6	33.6	1,989	2,784	4,724	40.0	69.7
OBSTETRICS/GYNECOLOGY ..	52	56	31	7.7	-44.6	50	49	29	-2.0	-40.8	2	7	2	250.0	-71.4
OPHTHALMOLOGY	25	9	10	-64.0	11.1	23	7	7	-69.6	.0	2	2	3	.0	50.0
OTORHINOLARYNGOLOGY	52	66	55	26.9	-16.7	48	62	54	29.2	-12.9	4	4	1	.0	-75.0
PEDIATRICS	162	177	107	9.3	-39.5	132	141	98	6.8	-30.5	30	36	9	20.0	-75.0
PHARMACEUTICAL SCIENCES	2,320	2,217	2,334	-4.4	5.3	1,480	1,422	1,551	-3.9	9.1	840	795	783	-5.4	-1.5
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	3,627	4,258	4,139	17.4	-2.8	2,911	3,154	3,012	8.3	-4.5	716	1,104	1,127	54.2	2.1
PSYCHIATRY	324	274	227	-15.4	-17.2	257	237	173	-7.8	-27.0	67	37	54	-44.8	45.9
PULMONARY DISEASE	9	2	17	-77.8	750.0	9	2	17	-77.8	750.0	0	0	0	**	**
RADIOLOGY	304	210	262	-30.9	24.8	244	198	220	-18.9	11.1	60	12	42	-80.0	250.0
SPEECH PATH/AUDIOLOGY ..	4,433	4,199	4,622	-5.3	10.1	3,285	3,216	3,405	-2.1	5.9	1,148	983	1,217	-14.4	23.8
SURGERY	128	115	97	-10.2	-15.7	114	103	79	-9.6	-23.3	14	12	18	-14.3	50.0
VETERINARY SCIENCES	668	726	813	8.7	12.0	505	560	630	10.9	12.5	163	166	183	1.8	10.2
CLINICAL MEDICINE, NEC.	691	694	860	.4	23.9	602	565	717	-6.1	26.9	89	129	143	44.9	10.9
HEALTH RELATED, NEC. ...	1,539	1,711	1,986	11.2	16.1	1,059	1,161	1,305	9.6	12.4	480	550	681	14.6	23.8
PSYCHOLOGY	26,944	28,188	27,797	4.6	-1.4	19,623	21,410	21,130	9.1	-1.3	7,321	6,778	6,667	-7.4	-1.6
SOCIAL SCIENCES	72,523	71,274	72,668	-1.7	2.0	50,601	49,530	50,501	-2.1	2.0	21,922	21,744	22,167	-.8	1.9
AGRICULTURAL ECONOMICS .	2,223	2,270	2,325	2.1	2.4	1,975	2,014	2,043	2.0	1.4	248	256	282	3.2	10.2
ANTHROPOLOGY	6,129	6,149	6,178	.3	.5	4,793	4,853	4,958	1.3	2.2	1,336	1,296	1,220	-3.0	-5.9
ECONOMICS (EXCEPT AGRICULTURAL)	10,915	10,418	10,678	-4.6	2.5	8,125	7,460	7,841	-8.2	5.1	2,790	2,958	2,837	6.0	-4.1
GEOGRAPHY	2,898	2,998	2,815	3.5	-6.1	2,133	2,193	2,061	2.8	-6.0	765	805	754	5.2	-6.3
HISTORY AND PHILOSOPHY OF SCIENCE	303	322	300	6.3	-6.8	259	270	257	4.2	-4.8	44	52	43	18.2	-17.3
LINGUISTICS	4,324	4,609	4,411	6.6	-4.3	3,413	3,694	3,323	8.2	-10.0	911	915	1,088	.4	18.9
POLITICAL SCIENCE	21,079	20,136	20,886	-4.5	3.7	12,556	11,650	12,030	-7.2	3.3	8,523	8,486	8,856	-.4	4.4
SOCIOLOGY	13,000	12,656	11,935	-2.6	-5.7	9,150	8,915	8,551	-2.6	-4.1	3,850	3,741	3,384	-2.8	-9.5
SOCIOLOGY/ANTHROPOLOGY .	1,618	1,342	1,333	-17.1	-.7	1,043	721	784	-30.9	8.7	575	621	549	8.0	-11.6
SOCIAL SCIENCES, NEC. ..	10,034	10,374	11,807	3.4	13.8	7,154	7,760	8,653	8.5	11.5	2,880	2,614	3,154	-9.2	20.7

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-27. GRADUATE STUDENTS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS: 1975-77

FIELD OF SCIENCE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	203064	204816	208942	0.9	2.0	153489	155760	158040	1.5	1.5	49,575	49,056	50,902	-1.0	3.8
ENGINEERING	39,133	38,735	40,083	-1.0	3.5	25,768	25,291	26,015	-1.9	2.9	13,365	13,444	14,068	.6	4.6
AERONAUTICAL	1,194	1,064	1,078	-10.9	1.3	843	814	827	-3.4	1.6	351	250	251	-28.8	.4
AGRICULTURAL	705	826	836	17.2	1.2	605	682	717	12.7	5.1	100	144	119	44.0	-17.4
BIOMEDICAL	462	466	463	.9	-.6	427	373	400	-12.6	7.2	35	93	63	165.7	-32.3
CHEMICAL	3,451	3,395	3,471	-1.6	2.2	2,491	2,485	2,692	-.2	8.3	960	910	779	-5.2	-14.4
CIVIL	7,314	6,980	7,352	-4.6	5.3	4,671	4,484	4,686	-4.0	4.5	2,643	2,496	2,666	-5.6	6.8
ELECTRICAL	8,789	8,546	9,032	-2.8	5.7	5,443	5,339	5,524	-1.9	3.5	3,346	3,207	3,508	-4.2	9.4
ENGINEERING SCIENCE	2,085	2,088	1,856	.1	-11.1	1,345	1,331	1,143	-1.0	-14.1	740	757	713	2.3	-5.8
INDUSTRIAL	4,431	4,450	4,611	.4	3.6	2,595	2,397	2,346	-7.6	-2.1	1,836	2,053	2,265	11.8	10.3
MECHANICAL	4,912	4,740	4,782	-3.5	.9	3,148	3,012	3,030	-4.3	.6	1,764	1,728	1,752	-2.0	1.4
METALLURGICAL/MATERIALS	1,427	1,449	1,512	1.5	4.3	1,113	1,187	1,222	6.6	2.9	314	262	290	-16.6	10.7
MINING	334	426	485	27.5	13.8	273	325	369	19.0	13.5	61	101	116	65.6	14.9
NUCLEAR	1,154	1,187	1,109	2.9	-6.6	975	966	911	-.9	-5.7	179	221	198	23.5	-10.4
PETROLEUM	246	319	332	29.7	4.1	226	284	284	25.7	.0	20	35	48	75.0	37.1
ENGINEERING, NEC.	2,629	2,799	3,164	6.5	13.0	1,613	1,612	1,864	-.1	15.6	1,016	1,187	1,300	16.8	9.5
PHYSICAL SCIENCES	16,850	17,035	16,943	1.1	-.5	14,905	15,133	15,176	1.5	.3	1,945	1,902	1,767	-2.2	-7.1
ASTRONOMY	432	395	361	-8.6	-8.6	386	342	322	-11.4	-5.8	46	53	39	15.2	-26.4
CHEMISTRY	9,869	10,128	10,161	2.6	.3	8,632	8,937	9,042	3.5	1.2	1,237	1,191	1,119	-3.7	-6.0
PHYSICS	6,547	6,512	6,419	-.5	-1.4	5,886	5,854	5,810	-.5	-.8	661	658	609	-.5	-7.4
PHYSICAL SCIENCES, NEC.	2	0	2	-100.0	**	1	0	2	-100.0	**	1	0	0	-100.0	**
ENVIRONMENTAL SCIENCES	8,264	8,757	9,103	6.0	4.0	6,701	7,141	7,470	6.6	4.6	1,563	1,616	1,633	3.4	1.1
ATMOSPHERIC SCIENCES	909	922	938	1.4	1.7	819	824	829	.6	.6	90	98	109	8.9	11.2
GEOSCIENCES	5,205	5,597	5,825	7.5	4.1	4,329	4,687	4,863	8.3	3.8	876	910	962	3.9	5.7
OCEANOGRAPHY	1,608	1,636	1,694	1.7	3.5	1,262	1,323	1,401	4.8	5.9	346	313	293	-9.5	-6.4
ENVIRONMENTAL SCIENCES, NEC.	542	602	646	11.1	7.3	291	307	377	5.5	22.8	251	295	269	17.5	-8.8
MATHEMATICAL SCIENCES	15,148	15,454	14,693	2.0	-4.9	10,539	10,827	10,431	2.7	-3.7	4,609	4,627	4,262	.4	-7.9
COMPUTER SCIENCE	5,091	5,483	5,307	7.7	-3.2	3,263	3,545	3,408	8.6	-3.9	1,828	1,938	1,899	6.0	-2.0
MATHEMATICS AND APPLIED MATHEMATICS	8,542	8,431	7,837	-1.3	-7.0	6,089	6,037	5,748	-.9	-4.8	2,453	2,394	2,089	-2.4	-12.7
STATISTICS	1,515	1,540	1,549	1.7	.6	1,187	1,245	1,275	4.9	2.4	328	295	274	-10.1	-7.1
LIFE SCIENCES	57,451	59,954	63,311	4.4	5.6	47,227	49,117	50,951	4.0	3.7	10,224	10,837	12,360	6.0	14.1
AGRICULTURAL SCIENCES	11,163	11,830	12,179	6.0	3.0	9,405	10,066	10,304	7.0	2.4	1,758	1,764	1,875	.3	6.3
BIOLOGICAL SCIENCES	29,934	30,501	31,291	1.9	2.6	25,883	26,334	26,811	1.7	1.8	4,051	4,167	4,480	2.9	7.5
ANATOMY	719	754	759	4.9	.7	657	700	695	6.5	-.7	62	54	64	-12.9	18.5
BIOCHEMISTRY	2,594	2,618	2,675	.9	2.2	2,370	2,432	2,500	2.6	2.8	224	186	175	-17.0	-5.9
BIOLOGY	7,186	7,282	7,275	1.3	-.1	5,760	5,823	5,911	1.1	1.5	1,426	1,459	1,364	2.3	-6.5
BIOMETRY/EPIDEMIOLOGY	483	437	569	-9.5	30.2	423	376	479	-11.1	27.4	60	61	90	1.7	47.5
BIOPHYSICS	482	372	336	-22.8	-9.7	394	348	315	-11.7	-9.5	88	24	21	-72.7	-12.5
BOTANY	2,505	2,702	2,837	7.9	5.0	2,256	2,429	2,552	7.7	5.1	249	273	285	9.6	4.4
CELL BIOLOGY	333	353	407	6.0	15.3	324	338	381	4.3	12.7	9	15	26	66.7	73.3
ECOLOGY	610	739	890	21.1	20.4	548	644	776	17.5	20.5	62	95	114	53.2	20.0
ENTOMOLOGY/PARASITOLOGY	1,476	1,518	1,521	2.8	.2	1,297	1,340	1,311	3.3	-2.2	179	178	210	-.6	18.0
GENETICS	632	647	730	2.4	12.8	582	611	693	5.0	13.4	50	36	37	-28.0	2.8
MICROBIOLOGY	3,048	3,136	3,141	2.9	.2	2,761	2,755	2,746	-.2	-.3	287	381	395	32.8	3.7
NUTRITION	2,187	2,398	2,858	9.6	19.2	1,851	1,952	2,143	5.5	9.8	336	446	715	32.7	60.3
PATHOLOGY	734	677	750	-7.8	10.8	604	592	610	-2.0	3.0	130	85	140	-34.6	64.7
PHARMACOLOGY	1,127	1,148	1,145	1.9	-.3	1,067	1,072	1,067	.5	-.5	60	76	78	26.7	2.6
PHYSIOLOGY	1,729	1,668	1,574	-3.5	-5.6	1,554	1,485	1,447	-4.4	-2.6	175	183	127	4.6	-30.6
ZOOLOGY	3,318	3,103	2,897	-6.5	-6.6	2,872	2,697	2,466	-6.1	-8.6	446	406	431	-9.0	6.2
BIOSCIENCES, NEC.	771	949	927	23.1	-2.3	563	740	719	31.4	-2.8	208	209	208	.5	-.5
HEALTH SCIENCES	16,354	17,623	19,841	7.8	12.6	11,939	12,717	13,836	6.5	8.8	4,415	4,906	6,005	11.1	22.4
ANESTHESIOLOGY	14	5	2	-64.3	-60.0	14	5	2	-64.3	-60.0	0	0	0	**	**
CARDIOLOGY	32	16	2	-50.0	-87.5	32	14	2	-56.3	-85.7	0	2	0	**	-100.0
CLINICAL PHARMACOLOGY	4	24	5	500.0	-79.2	3	24	5	700.0	-79.2	1	0	0	-100.0	**
DENTISTRY	804	804	871	.0	8.3	690	698	752	1.2	7.7	114	106	119	-7.0	12.3
ENDOCRINOLOGY	44	34	37	-22.7	8.8	44	32	35	-27.3	9.4	0	2	2	**	.0
GASTROENTEROLOGY	12	8	8	-33.3	.0	12	8	8	-33.3	.0	0	0	0	**	**
HEMATOLOGY	5	3	1	-40.0	-66.7	5	3	1	-40.0	-66.7	0	0	0	**	**
NEUROLOGY	170	163	187	-4.1	14.7	164	161	185	-1.8	14.9	6	2	2	-66.7	.0
NURSING	4,249	5,355	6,906	26.0	29.0	2,440	3,040	3,740	24.6	23.0	1,809	2,315	3,166	28.0	36.8
OBSTETRICS/GYNECOLOGY	45	42	17	-6.7	-59.5	43	37	17	-14.0	-54.1	2	5	0	150.0	-100.0
OPHTHALMOLOGY	7	4	7	-42.9	75.0	5	3	6	-40.0	100.0	2	1	1	-50.0	.0
OTORHINOLARYNGOLOGY	40	52	31	30.0	-40.4	36	48	31	33.3	-35.4	4	4	0	.0	-100.0
PEDIATRICS	116	137	69	18.1	-49.6	95	104	67	9.5	-35.6	21	33	2	57.1	-93.9
PHARMACEUTICAL SCIENCES	1,484	1,492	1,599	.5	7.2	1,255	1,284	1,383	2.3	7.7	229	208	216	-9.2	3.8
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,688	3,089	2,931	14.9	-5.1	2,182	2,410	2,262	10.4	-6.1	506	679	669	34.2	-1.5
PSYCHIATRY	205	179	146	-12.7	-18.4	164	149	105	-9.1	-29.5	41	30	41	-26.8	36.7
PULMONARY DISEASE	7	2	5	-71.4	150.0	7	2	5	-71.4	150.0	0	0	0	**	**
RADIOLOGY	284	197	250	-30.6	26.9	226	185	209	-18.1	13.0	58	12	41	-79.3	241.7
SPEECH PATH/AUDIOLOGY	3,770	3,599	4,068	-4.5	13.0	2,823	2,791	3,018	-1.1	8.1	947	808	1,050	-14.7	30.0
SURGERY	107	84	68	-21.5	-19.0	94	76	61	-19.1	-19.7	13	8	7	-38.5	-12.5
VETERINARY SCIENCES	621	674	754	8.5	11.9	459	508	571	10.7	12.4	162	166	183	2.5	10.2
CLINICAL MEDICINE, NEC.	483	482	552	-.2	14.5	400	366	440	-8.5	20.2	83	116	112	39.8	-3.4
HEALTH RELATED, NEC.	1,163	1,178	1,325	1.3	12.5	746	769	931	3.1	21.1	417	409	394	-1.9	-3.7
PSYCHOLOGY	17,110	16,963	16,549	-.9	-2.4	13,342	13,862	13,397	3.9	-3.4	3,768	3,101	3,152	-17.7	1.6
SOCIAL SCIENCES	49,108	47,918	48,260	-2.4	.7	35,007	34,389	34,600	-1.8	.6	14,101	13,529	13,660	-4.1	1.0
AGRICULTURAL ECONOMICS	2,134	2,190	2,[illegible]46	2.6	2.6	1,886	1,934	1,964	2.5	1.6	248	256	282	3.2	10.2
ANTHROPOLOGY	4,263	4,478	4,468	5.0	-.2	3,402	3,562	3,611	4.7	1.4	861	916	857	6.4	-6.4
ECONOMICS (EXCEPT AGRICULTURAL)	6,547	6,385	6,313	-2.5	-1.1	4,913	4,793	4,821	-2.4	.6	1,634	1,592	1,492	-2.6	-6.3
GEOGRAPHY	2,572	2,714	2,550	5.5	-6.0	1,870	1,943	1,834	3.9	-5.6	702	771	716	9.8	-7.1
HISTORY AND PHILOSOPHY OF SCIENCE	150	164	163	9.3	-.6	127	135	135	6.3	.0	23	29	28	26.1	-3.4
LINGUISTICS	2,966	3,308	3,297	11.5	-.3	2,369	2,646	2,503	11.7	-5.4	597	662	794	10.9	19.9
POLITICAL SCIENCE	12,078	11,067	11,300	-8.4	2.1	7,394	6,675	6,850	-9.7	2.6	4,684	4,392	4,450	-6.2	1.3
SOCIOLOGY	9,765	9,206	8,652	-5.7	-6.0	6,813	6,397	6,126	-6.1	-4.2	2,952	2,809	2,526	-4.8	-10.1
SOCIOLOGY/ANTHROPOLOGY	1,128	817	750	-27.6	-8.2	785	455	519	-42.0	14.1	343	362	231	5.5	-36.2
SOCIAL SCIENCES, NEC.	7,505	7,589	8,521	1.1	12.3	5,448	5,849	6,237	7.4	6.6	2,057	1,740	2,284	-15.4	31.3

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-28. GRADUATE STUDENTS IN PRIVATELY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS: 1975-77

FIELD OF SCIENCE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	90,548	92,586	97,768	2.3	5.6	57,171	58,083	60,186	1.6	3.6	33,377	34,503	37,582	3.4	8.9
ENGINEERING	26,867	26,666	28,025	-.7	5.1	11,892	11,547	11,801	-2.9	2.2	14,975	15,119	16,224	1.0	7.3
AERONAUTICAL	583	532	613	-8.7	15.2	500	465	507	-7.0	9.0	83	67	106	-19.3	58.2
AGRICULTURAL	36	33	36	-8.3	9.1	35	32	36	-8.6	12.5	1	1	0	.0	-100.0
BIOMEDICAL	453	411	417	-9.3	1.5	384	344	323	-10.4	-6.1	69	67	94	-2.9	40.3
CHEMICAL	1,547	1,707	1,739	10.3	1.9	1,057	1,190	1,237	12.6	3.9	490	517	502	5.5	-2.9
CIVIL	3,801	3,410	3,405	-10.3	-.1	1,881	1,594	1,653	-15.3	3.7	1,920	1,816	1,752	-5.4	-3.5
ELECTRICAL	6,591	6,438	7,124	-2.3	10.7	2,609	2,590	2,708	-.7	4.6	3,982	3,848	4,416	-3.4	14.8
ENGINEERING SCIENCE	429	415	441	-3.3	6.3	363	373	395	2.8	5.9	66	42	46	-36.4	9.5
INDUSTRIAL	7,409	7,732	7,566	4.4	-2.1	2,003	1,878	1,737	-6.2	-7.5	5,406	5,854	5,829	8.3	-.4
MECHANICAL	2,434	2,403	2,786	-1.3	15.9	1,161	1,309	1,370	12.7	4.7	1,273	1,094	1,416	-14.1	29.4
METALLURGICAL/MATERIALS	1,009	995	1,031	-1.4	3.6	707	704	737	-.4	4.7	302	291	294	-3.6	1.0
MINING	82	94	86	14.6	-8.5	77	88	81	14.3	-8.0	5	6	5	20.0	-16.7
NUCLEAR	483	424	387	-12.2	-8.7	292	267	254	-8.6	-4.9	191	157	133	-17.8	-15.3
PETROLEUM	147	150	151	2.0	.7	89	129	118	44.9	-8.5	58	21	33	-63.8	57.1
ENGINEERING, NEC.	1,863	1,922	2,243	3.2	16.7	734	584	645	-20.4	10.4	1,129	1,338	1,598	18.5	19.4
PHYSICAL SCIENCES	7,572	7,707	7,759	1.8	.7	6,380	6,479	6,545	1.6	1.0	1,192	1,228	1,214	3.0	-1.1
ASTRONOMY	189	190	182	.5	-4.2	184	183	178	-.5	-2.7	5	7	4	40.0	-42.9
CHEMISTRY	4,048	4,130	4,250	2.0	2.9	3,269	3,327	3,393	1.8	2.0	779	803	857	3.1	6.7
PHYSICS	3,335	3,387	3,327	1.6	-1.8	2,927	2,969	2,974	1.4	.2	408	418	353	2.5	-15.6
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	2,100	2,101	2,051	*	-2.4	1,771	1,793	1,764	1.2	-1.6	329	308	287	-6.4	-6.8
ATMOSPHERIC SCIENCES	88	74	63	-15.9	-14.9	73	64	60	-12.3	-6.3	15	10	3	-33.3	-70.0
GEOSCIENCES	1,565	1,583	1,557	1.2	-1.6	1,309	1,345	1,338	2.8	-.5	256	238	219	-7.0	-8.0
OCEANOGRAPHY	438	429	400	-2.1	-6.8	380	374	341	-1.6	-8.8	58	55	59	-5.2	7.3
ENVIRONMENTAL SCIENCES, NEC.	9	15	31	66.7	106.7	9	10	25	11.1	150.0	0	5	6	**	20.0
MATHEMATICAL SCIENCES	5,189	5,050	5,311	-2.7	5.2	3,040	3,055	3,054	.5	*	2,149	1,995	2,257	-7.2	13.1
COMPUTER SCIENCE	1,338	1,373	1,736	2.6	26.4	693	693	744	.0	7.4	645	680	992	5.4	45.9
MATHEMATICS AND APPLIED MATHEMATICS	3,488	3,315	3,247	-5.0	-2.1	2,079	2,100	2,067	1.0	-1.6	1,409	1,215	1,180	-13.8	-2.9
STATISTICS	363	362	328	-.3	-9.4	268	262	243	-2.2	-7.3	95	100	85	5.3	-15.0
LIFE SCIENCES	15,571	16,481	18,966	5.8	15.1	12,213	12,520	13,388	2.5	6.9	3,358	3,961	5,578	18.0	40.8
AGRICULTURAL SCIENCES	331	330	332	-.3	.6	320	321	316	.3	-1.6	11	9	16	-18.2	77.8
BIOLOGICAL SCIENCES	10,728	10,860	11,272	1.2	3.8	8,780	8,824	8,960	.5	1.5	1,948	2,036	2,312	4.5	13.6
ANATOMY	351	358	386	2.0	7.8	329	338	348	2.7	3.0	22	20	38	-9.1	90.0
BIOCHEMISTRY	1,062	1,054	1,081	-.8	2.6	1,015	1,006	1,035	-.9	2.9	47	48	46	2.1	-4.2
BIOLOGY	4,402	4,371	4,317	-.7	-1.2	3,129	3,028	2,950	-3.2	-2.6	1,273	1,343	1,367	5.5	1.8
BIOMETRY/EPIDEMIOLOGY	208	203	266	-2.4	31.0	166	158	198	-4.8	25.3	42	45	68	7.1	51.1
BIOPHYSICS	318	323	310	1.6	-4.0	314	319	308	1.6	-3.4	4	4	2	.0	-50.0
BOTANY	209	212	206	1.4	-2.8	174	171	181	-1.7	5.8	35	41	25	17.1	-39.0
CELL BIOLOGY	269	212	212	-21.2	.0	258	197	203	-23.6	3.0	11	15	9	36.4	-40.0
ECOLOGY	153	109	98	-28.8	-10.1	129	84	84	-34.9	.0	24	25	14	4.2	-44.0
ENTOMOLOGY/PARASITOLOGY	73	63	60	-13.7	-4.8	73	63	57	-13.7	-9.5	0	0	3	**	**
GENETICS	185	194	234	4.9	20.6	175	157	212	-10.3	35.0	10	37	22	270.0	-40.5
MICROBIOLOGY	829	909	958	9.7	5.4	729	813	833	11.5	2.5	100	96	125	-4.0	30.2
NUTRITION	544	623	748	14.5	20.1	483	547	618	13.3	13.0	61	76	130	24.6	71.1
PATHOLOGY	316	359	413	13.6	15.0	287	335	338	16.7	.9	29	24	75	-17.2	212.5
PHARMACOLOGY	479	544	606	13.6	11.4	441	504	563	14.3	11.7	38	40	43	5.3	7.5
PHYSIOLOGY	578	597	569	3.3	-4.7	537	556	539	3.5	-3.1	41	41	30	.0	-26.8
ZOOLOGY	202	183	179	-9.4	-2.2	186	177	160	-4.8	-9.6	16	6	19	-62.5	216.7
BIOSCIENCES, NEC.	550	546	629	-.7	15.2	355	371	333	4.5	-10.2	195	175	296	-10.3	69.1
HEALTH SCIENCES	4,512	5,291	7,362	17.3	39.1	3,113	3,375	4,112	8.4	21.8	1,399	1,916	3,250	37.0	69.6
ANESTHESIOLOGY	41	0	2	-100.0	**	41	0	0	-100.0	**	0	0	2	**	**
CARDIOLOGY	3	0	3	-100.0	**	2	0	1	-100.0	**	1	0	2	-100.0	**
CLINICAL PHARMACOLOGY	0	0	11	**	**	0	0	11	**	**	0	0	0	**	**
DENTISTRY	493	402	560	-18.5	39.3	409	324	442	-20.8	36.4	84	78	118	-7.1	51.3
ENDOCRINOLOGY	1	3	5	200.0	66.7	1	1	0	.0	-100.0	0	2	5	**	150.0
GASTROENTEROLOGY	4	0	0	-100.0	**	0	0	0	**	**	4	0	0	-100.0	**
HEMATOLOGY	0	1	17	**	1600.0	0	0	6	**	**	0	1	11	**	1000.0
NEUROLOGY	189	174	158	-7.9	-9.2	189	166	151	-12.2	-9.0	0	8	7	**	-12.5
NURSING	467	1,208	2,868	158.7	137.4	287	739	1,310	157.5	77.3	180	469	1,558	160.6	232.2
OBSTETRICS/GYNECOLOGY	7	14	14	100.0	.0	7	12	12	71.4	.0	0	2	2	**	.0
OPHTHALMOLOGY	18	5	3	-72.2	-40.0	18	4	1	-77.8	-75.0	0	1	2	**	100.0
OTORHINOLARYNGOLOGY	12	14	24	16.7	71.4	12	14	23	16.7	64.3	0	0	1	**	**
PEDIATRICS	46	40	38	-13.0	-5.0	37	37	31	.0	-16.2	9	3	7	-66.7	133.3
PHARMACEUTICAL SCIENCES	836	725	735	-13.3	1.4	225	138	168	-38.7	21.7	611	587	567	-3.9	-3.4
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	939	1,169	1,208	24.5	3.3	729	744	750	2.1	.8	210	425	458	102.4	7.8
PSYCHIATRY	119	95	81	-20.2	-14.7	93	88	68	-5.4	-22.7	26	7	13	-73.1	85.7
PULMONARY DISEASE	2	0	12	-100.0	**	2	0	12	-100.0	**	0	0	0	**	**
RADIOLOGY	20	13	12	-35.0	-7.7	18	13	11	-27.8	-15.4	2	0	1	-100.0	**
SPEECH PATH/AUDIOLOGY	663	600	554	-9.5	-7.7	462	425	387	-8.0	-8.9	201	175	167	-12.9	-4.6
SURGERY	21	31	29	47.6	-6.5	20	27	18	35.0	-33.3	1	4	11	300.0	175.0
VETERINARY SCIENCES	47	52	59	10.6	13.5	46	52	59	13.0	13.5	1	0	0	-100.0	**
CLINICAL MEDICINE, NEC.	208	212	308	1.9	45.3	202	199	277	-1.5	39.2	6	13	31	116.7	138.5
HEALTH RELATED, NEC.	376	533	661	41.8	24.0	313	392	374	25.2	-4.6	63	141	287	123.8	103.5
PSYCHOLOGY	9,834	11,225	11,248	14.1	.2	6,281	7,548	7,733	20.2	2.5	3,553	3,677	3,515	3.5	-4.4
SOCIAL SCIENCES	23,415	23,356	24,408	-.3	4.5	15,594	15,141	15,901	-2.9	5.0	7,821	8,215	8,507	5.0	3.6
AGRICULTURAL ECONOMICS	89	80	79	-10.1	-1.2	89	80	79	-10.1	-1.2	0	0	0	**	**
ANTHROPOLOGY	1,866	1,671	1,710	-10.5	2.3	1,391	1,291	1,347	-7.2	4.3	475	380	363	-20.0	-4.5
ECONOMICS (EXCEPT AGRICULTURAL)	4,368	4,033	4,365	-7.7	8.2	3,212	2,667	3,020	-17.0	13.2	1,156	1,366	1,345	18.2	-1.5
GEOGRAPHY	326	284	265	-12.9	-6.7	263	250	227	-4.9	-9.2	63	34	38	-46.0	11.8
HISTORY AND PHILOSOPHY OF SCIENCE	153	158	137	3.3	-13.3	132	135	122	2.3	-9.6	21	23	15	9.5	-34.8
LINGUISTICS	1,358	1,301	1,114	-4.2	-14.4	1,044	1,048	820	.4	-21.8	314	253	294	-19.4	16.2
POLITICAL SCIENCE	9,001	9,069	9,586	.8	5.7	5,162	4,975	5,180	-3.6	4.1	3,839	4,094	4,406	6.6	7.6
SOCIOLOGY	3,235	3,450	3,283	6.6	-4.8	2,337	2,518	2,425	7.7	-3.7	898	932	858	3.8	-7.9
SOCIOLOGY/ANTHROPOLOGY	490	525	583	7.1	11.0	258	266	265	3.1	-.4	232	259	318	11.6	22.8
SOCIAL SCIENCES, NEC.	2,529	2,785	3,286	10.1	18.0	1,706	1,911	2,416	12.0	26.4	823	874	870	6.2	-.5

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-29. GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND LEVEL OF STUDY: 1975-77

FIELD OF SCIENCE	TOTAL					FIRST YEAR					BEYOND FIRST YEAR				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	293612	297402	306710	1.3	3.1	111722	108109	113675	-3.2	5.1	181890	189293	193035	4.1	2.0
ENGINEERING	66,000	65,401	68,108	-.9	4.1	29,779	27,933	29,432	-6.2	5.4	36,221	37,468	38,676	3.4	3.2
AERONAUTICAL	1,777	1,596	1,691	-10.2	6.0	681	559	610	-17.9	9.1	1,096	1,037	1,081	-5.4	4.2
AGRICULTURAL	741	859	872	15.9	1.5	301	321	317	6.6	-1.2	440	538	555	22.3	3.2
BIOMEDICAL	915	877	880	-4.2	.3	304	314	277	3.3	-11.8	611	563	603	-7.9	7.1
CHEMICAL	4,998	5,102	5,210	2.1	2.1	1,967	2,022	2,180	2.8	7.8	3,031	3,080	3,030	1.6	-1.6
CIVIL	11,115	10,390	10,757	-6.5	3.5	4,959	4,528	4,741	-8.7	4.7	6,156	5,862	6,016	-4.8	2.6
ELECTRICAL	15,380	14,984	16,156	-2.6	7.8	7,027	6,573	7,577	-6.5	15.3	8,353	8,411	8,579	.7	2.0
ENGINEERING SCIENCE	2,514	2,503	2,297	-.4	-8.2	840	905	754	7.7	-16.7	1,674	1,598	1,543	-4.5	-3.4
INDUSTRIAL	11,840	12,182	12,177	2.9	*	6,386	5,986	5,930	-6.3	-.9	5,454	6,196	6,247	13.6	.8
MECHANICAL	7,346	7,143	7,568	-2.8	5.9	3,227	3,041	3,237	-5.8	6.4	4,119	4,102	4,331	-.4	5.6
METALLURGICAL/MATERIALS	2,436	2,444	2,543	.3	4.1	710	690	756	-2.8	9.6	1,726	1,754	1,787	1.6	1.9
MINING	416	520	571	25.0	9.8	180	234	205	30.0	-12.4	236	286	366	21.2	28.0
NUCLEAR	1,637	1,611	1,496	-1.6	-7.1	721	515	469	-28.6	-8.9	916	1,096	1,027	19.7	-6.3
PETROLEUM	393	469	483	19.3	3.0	144	214	181	48.6	-15.4	249	255	302	2.4	18.4
ENGINEERING, NEC.	4,492	4,721	5,407	5.1	14.5	2,332	2,031	2,198	-12.9	8.2	2,160	2,690	3,209	24.5	19.3
PHYSICAL SCIENCES	24,422	24,742	24,702	1.3	-.2	6,829	6,685	6,911	.8	.4	17,593	17,857	17,791	1.5	-.4
ASTRONOMY	621	585	543	-5.8	-7.2	121	119	136	-1.7	14.3	500	466	407	-6.8	-12.7
CHEMISTRY	13,917	14,258	14,411	2.5	1.1	4,128	4,233	4,232	2.5	*	9,789	10,025	10,179	2.4	1.5
PHYSICS	9,882	9,899	9,746	.2	-1.5	2,580	2,533	2,543	-1.8	.4	7,302	7,366	7,203	.9	-2.2
PHYSICAL SCIENCES, NEC.	2	0	2	-100.0	**	0	0	0	**	**	2	0	2	-100.0	**
ENVIRONMENTAL SCIENCES	10,364	10,858	11,154	4.8	2.7	3,485	3,437	3,423	-1.4	-.4	6,879	7,421	7,731	7.9	4.2
ATMOSPHERIC SCIENCES	997	996	1,001	-.1	.5	353	325	333	-7.9	2.5	644	671	668	4.2	-.4
GEOSCIENCES	6,770	7,180	7,382	6.1	2.8	2,321	2,326	2,332	.2	.3	4,449	4,854	5,050	9.1	4.0
OCEANOGRAPHY	2,046	2,065	2,094	.9	1.4	570	551	533	-3.3	-3.3	1,476	1,514	1,561	2.6	3.1
ENVIRONMENTAL SCIENCES, NEC.	551	617	677	12.0	9.7	241	235	225	-2.5	-4.3	310	382	452	23.2	18.3
MATHEMATICAL SCIENCES	20,337	20,504	20,004	.8	-2.4	8,117	7,489	7,670	-7.7	2.4	12,220	13,015	12,334	6.5	-5.2
COMPUTER SCIENCE	6,429	6,856	7,043	6.6	2.7	2,868	2,636	2,959	-8.1	12.3	3,561	4,220	4,084	18.5	-3.2
MATHEMATICS AND APPLIED MATHEMATICS	12,030	11,746	11,084	-2.4	-5.6	4,587	4,235	4,144	-7.7	-2.1	7,443	7,511	6,940	.9	-7.6
STATISTICS	1,878	1,902	1,877	1.3	-1.3	662	618	567	-6.6	-8.3	1,216	1,284	1,310	5.6	2.0
LIFE SCIENCES	73,022	76,435	82,277	4.7	7.6	28,207	29,030	31,159	2.9	7.3	44,815	47,405	51,118	5.8	7.8
AGRICULTURAL SCIENCES	11,494	12,160	12,511	5.8	2.9	4,482	4,588	4,547	2.4	-.9	7,012	7,572	7,964	8.0	5.2
BIOLOGICAL SCIENCES	40,662	41,361	42,563	1.7	2.9	13,212	12,958	13,015	-1.9	.4	27,450	28,403	29,548	3.5	4.0
ANATOMY	1,070	1,112	1,145	3.9	3.0	320	305	286	-4.7	-6.2	750	807	859	7.6	6.4
BIOCHEMISTRY	3,656	3,672	3,756	.4	2.3	1,032	984	977	-4.7	-.7	2,624	2,688	2,779	2.4	3.4
BIOLOGY	11,588	11,653	11,592	.6	-.5	4,076	4,055	3,947	-.5	-2.7	7,512	7,598	7,645	1.1	.6
BIOMETRY/EPIDEMIOLOGY	691	640	835	-7.4	30.5	252	231	258	-8.3	11.7	439	409	577	-6.8	41.1
BIOPHYSICS	800	695	646	-13.1	-7.1	207	141	131	-31.9	-7.1	593	554	515	-6.6	-7.0
BOTANY	2,714	2,914	3,043	7.4	4.4	791	900	837	13.8	-7.0	1,923	2,014	2,206	4.7	9.5
CELL BIOLOGY	602	565	619	-6.1	9.6	189	145	162	-23.3	11.7	413	420	457	1.7	8.8
ECOLOGY	763	848	988	11.1	16.5	238	216	232	-9.2	7.4	525	632	756	20.4	19.6
ENTOMOLOGY/PARASITOLOGY	1,549	1,581	1,581	2.1	.0	522	453	449	-13.2	-.9	1,027	1,128	1,132	9.8	.4
GENETICS	817	841	964	2.9	14.6	246	243	267	-1.2	9.9	571	598	697	4.7	16.6
MICROBIOLOGY	3,877	4,045	4,099	4.3	1.3	1,211	1,190	1,194	-1.7	.3	2,666	2,855	2,905	7.1	1.8
NUTRITION	2,731	3,021	3,606	10.6	19.4	1,127	1,189	1,450	5.5	22.0	1,604	1,832	2,156	14.2	17.7
PATHOLOGY	1,050	1,036	1,163	-1.3	12.3	326	314	353	-3.7	12.4	724	722	810	-.3	12.2
PHARMACOLOGY	1,606	1,692	1,751	5.4	3.5	489	477	456	-2.5	-4.4	1,117	1,215	1,295	8.8	6.6
PHYSIOLOGY	2,307	2,265	2,143	-1.8	-5.4	695	603	601	-13.2	-.3	1,612	1,662	1,542	3.1	-7.2
ZOOLOGY	3,520	3,286	3,076	-6.6	-6.4	963	918	808	-4.7	-12.0	2,557	2,368	2,268	-7.4	-4.2
BIOSCIENCES, NEC.	1,321	1,495	1,556	13.2	4.1	528	594	607	12.5	2.2	793	901	949	13.6	5.3
HEALTH SCIENCES	20,866	22,914	27,203	9.8	18.7	10,513	11,484	13,597	9.2	18.4	10,353	11,430	13,606	10.4	19.0
ANESTHESIOLOGY	55	5	4	-90.9	-20.0	19	1	4	-94.7	300.0	36	4	0	-88.9	-100.0
CARDIOLOGY	35	16	5	-54.3	-68.8	19	0	1	-100.0	**	16	16	4	.0	-75.0
CLINICAL PHARMACOLOGY	4	24	16	500.0	-33.3	4	7	4	75.0	-42.9	0	17	12	**	-29.4
DENTISTRY	1,297	1,206	1,431	-7.0	18.7	517	473	584	-8.5	23.5	780	733	847	-6.0	15.6
ENDOCRINOLOGY	45	37	42	-17.8	13.5	9	13	12	44.4	-7.7	36	24	30	-33.3	25.0
GASTROENTEROLOGY	16	8	8	-50.0	.0	7	4	4	-42.9	.0	9	4	4	-55.6	.0
HEMATOLOGY	5	4	18	-20.0	350.0	5	2	13	-60.0	550.0	0	2	5	**	150.0
NEUROLOGY	359	337	345	-6.1	2.4	89	74	79	-16.9	6.8	270	263	266	-2.6	1.1
NURSING	4,716	6,563	9,774	39.2	48.9	2,916	4,017	5,633	37.8	40.2	1,800	2,546	4,141	41.4	62.6
OBSTETRICS/GYNECOLOGY	52	56	31	7.7	-44.6	21	22	15	4.8	-31.8	31	34	16	9.7	-52.9
OPHTHALMOLOGY	25	9	10	-64.0	11.1	5	2	0	-60.0	-100.0	20	7	10	-65.0	42.9
OTORHINOLARYNGOLOGY	52	66	55	26.9	-16.7	11	20	19	81.8	-5.0	41	46	36	12.2	-21.7
PEDIATRICS	162	177	107	9.3	-39.5	70	133	76	90.0	-42.9	92	44	31	-52.2	-29.5
PHARMACEUTICAL SCIENCES	2,320	2,217	2,334	-4.4	5.3	805	745	793	-7.5	6.4	1,515	1,472	1,541	-2.8	4.7
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	3,627	4,258	4,139	17.4	-2.8	2,069	2,363	2,247	14.2	-4.9	1,558	1,895	1,892	21.6	-.2
PSYCHIATRY	324	274	227	-15.4	-17.2	78	68	29	-12.8	-57.4	246	206	198	-16.3	-3.9
PULMONARY DISEASE	9	2	17	-77.8	750.0	5	0	9	-100.0	**	4	2	8	-50.0	300.0
RADIOLOGY	304	210	262	-30.9	24.8	115	80	89	-30.4	11.2	189	130	173	-31.2	33.1
SPEECH PATH/AUDIOLOGY	4,433	4,199	4,622	-5.3	10.1	2,311	2,016	2,185	-12.8	8.4	2,122	2,183	2,437	2.9	11.6
SURGERY	128	115	97	-10.2	-15.7	35	34	25	-2.9	-26.5	93	81	72	-12.9	-11.1
VETERINARY SCIENCES	668	726	813	8.7	12.0	246	272	287	10.6	5.5	422	454	526	7.6	15.9
CLINICAL MEDICINE, NEC.	691	694	860	.4	23.9	402	363	406	-9.7	11.8	289	331	454	14.5	37.2
HEALTH RELATED, NEC.	1,539	1,711	1,986	11.2	16.1	755	775	1,083	2.6	39.7	784	936	903	19.4	-3.5
PSYCHOLOGY	26,944	28,188	27,797	4.6	-1.4	7,660	7,476	7,475	-2.4	*	19,284	20,712	20,322	7.4	-1.9
SOCIAL SCIENCES	72,523	71,274	72,668	-1.7	2.0	27,645	25,859	27,605	-6.5	6.8	44,878	45,415	45,063	1.2	-.8
AGRICULTURAL ECONOMICS	2,223	2,270	2,325	2.1	2.4	797	820	851	2.9	3.8	1,426	1,450	1,474	1.7	1.7
ANTHROPOLOGY	6,129	6,149	6,178	.3	.5	1,499	1,580	1,546	5.4	-2.2	4,630	4,569	4,632	-1.3	1.4
ECONOMICS (EXCEPT AGRICULTURAL)	10,915	10,418	10,678	-4.6	2.5	3,933	3,500	3,641	-11.0	4.0	6,982	6,918	7,037	-.9	1.7
GEOGRAPHY	2,898	2,998	2,815	3.5	-6.1	963	1,008	948	4.7	-6.0	1,935	1,990	1,867	2.8	-6.2
HISTORY AND PHILOSOPHY OF SCIENCE	303	322	300	6.3	-6.8	66	80	64	21.2	-20.0	237	242	236	2.1	-2.5
LINGUISTICS	4,324	4,609	4,411	6.6	-4.3	1,792	1,827	1,731	2.0	-5.3	2,532	2,782	2,680	9.9	-3.7
POLITICAL SCIENCE	21,079	20,136	20,886	-4.5	3.7	8,465	7,410	8,286	-12.5	11.8	12,614	12,726	12,600	.9	-1.0
SOCIOLOGY	13,000	12,656	11,935	-2.6	-5.7	4,610	4,417	4,269	-4.2	-3.4	8,390	8,239	7,666	-1.8	-7.0
SOCIOLOGY/ANTHROPOLOGY	1,618	1,342	1,333	-17.1	-.7	584	402	400	-31.2	-.5	1,034	940	933	-9.1	-.7
SOCIAL SCIENCES, NEC.	10,034	10,374	11,807	3.4	13.8	4,936	4,815	5,869	-2.5	21.9	5,098	5,559	5,938	9.0	6.8

* LESS THAN 0.05 PERCENT CHANGE

TABLE B-30. GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY DIVISION, STATE, AND ENROLLMENT STATUS: 1975-77

DIVISION AND STATE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
UNITED STATES TOTAL	293612	297402	306710	1.3	3.1	210660	213843	218226	1.5	2.0	82,952	83,559	88,484	0.7	5.9
NEW ENGLAND	21,037	22,115	22,252	5.1	.6	15,815	17,014	16,786	7.6	-1.3	5,222	5,101	5,466	-2.3	7.2
CONNECTICUT	3,361	3,686	3,276	9.7	-11.1	2,820	3,111	2,927	10.3	-5.9	541	575	349	6.3	-39.3
MAINE	446	512	469	14.8	-8.4	364	389	378	6.9	-2.8	82	123	91	50.0	-26.0
MASSACHUSETTS	14,286	15,068	15,616	5.5	3.6	10,349	11,260	11,214	8.8	-.4	3,937	3,808	4,402	-3.3	15.6
NEW HAMPSHIRE	652	676	735	3.7	8.7	587	601	644	2.4	7.2	65	75	91	15.4	21.3
RHODE ISLAND	1,815	1,688	1,669	-7.0	-1.1	1,317	1,268	1,273	-3.7	.4	498	420	396	-15.7	-5.7
VERMONT	477	485	[illegible]	1.7	.4	378	385	350	1.9	-9.1	99	100	137	1.0	37.0
MIDDLE ATLANTIC	54,627	52,531	53,946	-3.8	2.7	31,699	30,729	31,453	-3.1	2.4	22,928	21,802	22,493	-4.9	3.2
NEW JERSEY	7,899	7,290	7,462	-7.7	2.4	3,558	3,321	3,339	-6.7	.5	4,341	3,969	4,123	-8.6	3.9
NEW YORK	33,804	31,339	32,435	-7.3	3.5	19,996	18,723	19,220	-6.4	2.7	13,808	12,616	13,215	-8.6	4.7
PENNSYLVANIA	12,924	13,902	14,049	7.6	1.1	8,145	8,685	8,894	6.6	2.4	4,779	5,217	5,155	9.2	-1.2
EAST NORTH CENTRAL	55,597	55,755	56,562	.3	1.4	43,542	43,528	43,713	*	.4	12,055	12,227	12,849	1.4	5.1
ILLINOIS	13,923	13,744	14,731	-1.3	7.2	11,406	11,070	11,161	-2.9	.8	2,517	2,674	3,570	6.2	33.5
INDIANA	6,881	7,253	7,171	5.4	-1.1	5,754	5,823	5,731	1.2	-1.6	1,127	1,430	1,440	26.9	.7
MICHIGAN	12,365	12,078	12,120	-2.3	.3	10,125	9,893	10,009	-2.3	1.2	2,240	2,185	2,111	-2.5	-3.4
OHIO	13,953	14,633	14,751	4.9	.8	9,576	10,501	10,640	9.7	1.3	4,377	4,132	4,111	-5.6	-.5
WISCONSIN	8,475	8,047	7,789	-5.1	-3.2	6,681	6,241	6,172	-6.6	-1.1	1,794	1,806	1,617	.7	-10.5
WEST NORTH CENTRAL	21,488	22,119	22,619	2.9	2.3	16,483	17,015	16,918	3.2	-.6	5,005	5,104	5,701	2.0	11.7
IOWA	3,653	3,982	4,006	9.0	.6	2,942	3,140	3,101	6.7	-1.2	711	842	905	18.4	7.5
KANSAS	3,913	4,048	4,347	3.5	7.4	2,864	3,069	3,150	7.2	2.6	1,049	979	1,197	-6.7	22.3
MINNESOTA	5,204	4,901	4,744	-5.8	-3.2	4,401	4,180	4,006	-5.0	-4.2	803	721	738	-10.2	2.4
MISSOURI	5,955	6,136	6,109	3.0	-.4	4,212	4,310	4,249	2.3	-1.4	1,743	1,826	1,860	4.8	1.9
NEBRASKA	1,470	1,730	2,017	17.7	16.6	1,015	1,191	1,329	17.3	11.6	455	539	688	18.5	27.6
NORTH DAKOTA	742	809	836	9.0	3.3	631	701	607	11.1	-13.4	111	108	229	-2.7	112.0
SOUTH DAKOTA	551	513	560	-6.9	9.2	418	424	476	1.4	12.3	133	89	84	-33.1	-5.6
SOUTH ATLANTIC	40,949	42,340	44,442	3.4	5.0	28,672	28,264	29,298	-1.4	3.7	12,277	14,076	15,144	14.7	7.6
DELAWARE	908	902	943	-.7	4.5	590	572	653	-3.1	14.2	318	330	290	3.8	-12.1
DISTRICT OF COLUMBIA	7,407	7,642	9,084	3.2	18.9	3,861	3,247	3,840	-15.9	18.3	3,546	4,395	5,244	23.9	19.3
FLORIDA	7,013	7,397	7,212	5.5	-2.5	4,961	5,154	4,976	3.9	-3.5	2,052	2,243	2,236	9.3	-.3
GEORGIA	4,950	4,888	4,918	-1.3	.6	3,681	3,672	3,841	-.2	4.6	1,269	1,216	1,077	-4.2	-11.4
MARYLAND	5,590	5,624	5,757	.6	2.4	3,929	3,457	3,486	-12.0	.8	1,661	2,167	2,271	30.5	4.8
NORTH CAROLINA	5,761	5,811	5,904	.9	1.6	4,829	4,886	4,962	1.2	1.6	932	925	942	-.8	1.8
SOUTH CAROLINA	2,577	2,765	2,864	7.3	3.6	1,862	1,965	1,955	5.5	-.5	715	800	909	11.9	13.6
VIRGINIA	5,102	5,458	5,802	7.0	6.3	3,694	3,932	4,189	6.4	6.5	1,408	1,526	1,613	8.4	5.7
WEST VIRGINIA	1,641	1,853	1,958	12.9	5.7	1,265	1,379	1,396	9.0	1.2	376	474	562	26.1	18.6
EAST SOUTH CENTRAL	10,720	11,588	12,395	8.1	7.0	8,079	8,467	9,094	4.8	7.4	2,641	3,121	3,301	18.2	5.8
ALABAMA	2,068	2,427	2,892	17.4	19.2	1,480	1,643	1,956	11.0	19.1	588	784	936	33.3	19.4
KENTUCKY	2,254	2,386	2,514	5.9	5.4	1,700	1,725	1,813	1.5	5.1	554	661	701	19.3	6.1
MISSISSIPPI	1,765	1,824	1,858	3.3	1.9	1,411	1,434	1,482	1.6	3.3	354	390	376	10.2	-3.6
TENNESSEE	4,633	4,951	5,131	6.9	3.6	3,488	3,665	3,843	5.1	4.9	1,145	1,286	1,288	12.3	.2
WEST SOUTH CENTRAL	23,750	24,789	27,202	4.4	9.7	16,481	17,477	18,434	6.0	5.5	7,269	7,312	8,768	.6	19.9
ARKANSAS	857	948	1,044	10.6	10.1	695	753	781	8.3	3.7	162	195	263	20.4	34.9
LOUISIANA	2,798	2,883	3,100	3.0	7.5	2,068	2,063	2,226	-.2	7.9	730	820	874	12.3	6.6
OKLAHOMA	3,455	3,344	3,726	-3.2	11.4	2,464	2,437	2,677	-1.1	9.8	991	907	1,049	-8.5	15.7
TEXAS	16,640	17,614	19,332	5.9	9.8	11,254	12,224	12,750	8.6	4.3	5,386	5,390	6,582	.1	22.1
MOUNTAIN	19,436	18,898	19,111	-2.8	1.1	15,144	14,911	14,996	-1.5	.6	4,292	3,987	4,115	-7.1	3.2
ARIZONA	4,791	4,707	4,735	-1.8	.6	3,372	3,455	3,416	2.5	-1.1	1,419	1,252	1,319	-11.8	5.4
COLORADO	6,724	6,081	5,922	-9.6	-2.6	5,525	5,119	5,065	-7.3	-1.1	1,199	962	857	-19.8	-10.9
IDAHO	841	975	1,192	15.9	22.3	699	740	792	5.9	7.0	142	235	400	65.5	70.2
MONTANA	756	774	763	2.4	-1.4	709	739	717	4.2	-3.0	47	35	46	-25.5	31.4
NEVADA	455	537	489	18.0	-8.9	357	399	366	11.8	-8.3	98	138	123	40.8	-10.9
NEW MEXICO	1,970	1,915	1,891	-2.8	-1.3	1,266	1,248	1,302	-1.4	4.3	704	667	589	-5.3	-11.7
UTAH	3,218	3,214	3,444	-.1	7.2	2,625	2,613	2,743	-.5	5.0	593	601	701	1.3	16.6
WYOMING	681	695	675	2.1	-2.9	591	598	595	1.2	-.5	90	97	80	7.8	-17.5
PACIFIC	44,555	45,853	46,575	2.9	1.6	33,678	35,422	36,465	5.2	2.9	10,877	10,431	10,110	-4.1	-3.1
ALASKA	173	208	228	20.2	9.6	131	170	190	29.8	11.8	42	38	38	-9.5	.0
CALIFORNIA	35,412	35,814	35,819	1.1	*	26,038	27,082	27,327	4.0	.9	9,374	8,732	8,492	-6.8	-2.7
HAWAII	1,484	1,496	1,543	.8	3.1	1,331	1,353	1,373	1.7	1.5	153	143	170	-6.5	18.9
OREGON	2,900	3,036	3,193	4.7	5.2	2,319	2,436	2,735	5.0	12.3	581	600	458	3.3	-23.7
WASHINGTON	4,586	5,299	5,792	15.5	9.3	3,859	4,381	4,840	13.5	10.5	727	918	952	26.3	3.7
U.S. TERRITORIES	1,453	1,414	1,606	-2.7	13.6	1,067	1,016	1,069	-4.8	5.2	386	398	537	3.1	34.9

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-31. FIRST-YEAR GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS: 1975-77

FIELD OF SCIENCE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	111722	108109	113675	-3.2	5.1	79,314	78,067	80,397	-1.6	3.0	32,408	30,042	33,278	-7.3	10.8
ENGINEERING	29,779	27,933	29,432	-6.2	5.4	16,806	16,041	16,340	-4.6	1.9	12,973	11,892	13,092	-8.3	10.1
AERONAUTICAL	681	559	610	-17.9	9.1	518	458	464	-11.6	1.3	163	101	146	-38.0	44.6
AGRICULTURAL	301	321	317	6.6	-1.2	273	281	290	2.9	3.2	28	40	27	42.9	-32.5
BIOMEDICAL	304	314	277	3.3	-11.8	284	274	254	-3.5	-7.3	20	40	23	100.0	-42.5
CHEMICAL	1,967	2,022	2,180	2.8	7.8	1,416	1,550	1,670	9.5	7.7	551	472	510	-14.3	8.1
CIVIL	4,959	4,528	4,741	-8.7	4.7	3,258	3,047	3,174	-6.5	4.2	1,701	1,481	1,567	-12.9	5.8
ELECTRICAL	7,027	6,573	7,577	-6.5	15.3	3,589	3,385	3,529	-5.7	4.3	3,438	3,188	4,048	-7.3	27.0
ENGINEERING SCIENCE	840	905	754	7.7	-16.7	533	587	508	10.1	-13.5	307	318	246	3.6	-22.6
INDUSTRIAL	6,386	5,986	5,930	-6.3	-.9	2,318	2,064	2,013	-11.0	-2.5	4,068	3,922	3,917	-3.6	-.1
MECHANICAL	3,227	3,041	3,237	-5.8	6.4	2,020	1,966	1,993	-2.7	1.4	1,207	1,075	1,244	-10.9	15.7
METALLURGICAL/MATERIALS	710	690	756	-2.8	9.6	575	562	588	-2.3	4.6	135	128	168	-5.2	31.3
MINING	180	234	205	30.0	-12.4	164	192	175	17.1	-8.9	16	42	30	162.5	-28.6
NUCLEAR	721	515	469	-28.6	-8.9	565	415	390	-26.5	-6.0	156	100	79	-35.9	-21.0
PETROLEUM	144	214	181	48.6	-15.4	125	204	160	63.2	-21.6	19	10	21	-47.4	110.0
ENGINEERING, NEC.	2,332	2,031	2,198	-12.9	8.2	1,168	1,056	1,132	-9.6	7.2	1,164	975	1,066	-16.2	9.3
PHYSICAL SCIENCES	6,829	6,885	6,911	.8	.4	5,948	6,027	6,141	1.3	1.9	881	858	770	-2.6	-10.3
ASTRONOMY	121	119	136	-1.7	14.3	117	102	123	-12.8	20.6	4	17	13	325.0	-23.5
CHEMISTRY	4,128	4,233	4,232	2.5	*	3,535	3,638	3,687	2.9	1.3	593	595	545	.3	-8.4
PHYSICS	2,580	2,533	2,543	-1.8	.4	2,296	2,287	2,331	-.4	1.9	284	246	212	-13.4	-13.8
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	3,435	3,437	3,423	-1.4	-.4	2,985	3,038	3,055	1.8	.6	500	399	368	-20.2	-7.8
ATMOSPHERIC SCIENCES	353	325	333	-7.9	2.5	324	288	310	-11.1	7.6	29	37	23	27.6	-37.8
GEOSCIENCES	2,321	2,326	2,332	.2	.3	2,038	2,120	2,121	4.0	*	283	206	211	-27.2	2.4
OCEANOGRAPHY	570	551	533	-3.3	-3.3	469	485	456	3.4	-6.0	101	66	77	-34.7	16.7
ENVIRONMENTAL SCIENCES, NEC.	241	235	225	-2.5	-4.3	154	145	168	-5.8	15.9	87	90	57	3.4	-36.7
MATHEMATICAL SCIENCES	8,117	7,489	7,670	-7.7	2.4	5,184	4,908	4,982	-5.3	1.5	2,933	2,581	2,688	-12.0	4.1
COMPUTER SCIENCE	2,868	2,636	2,959	-8.1	12.3	1,754	1,607	1,710	-8.4	6.4	1,114	1,029	1,249	-7.6	21.4
MATHEMATICS AND APPLIED MATHEMATICS	4,587	4,235	4,144	-7.7	-2.1	2,893	2,800	2,786	-3.2	-.5	1,694	1,435	1,358	-15.3	-5.4
STATISTICS	662	615	567	-6.6	-8.3	537	501	486	-6.7	-3.0	125	117	81	-6.4	-30.8
LIFE SCIENCES	28,207	29,030	31,159	2.9	7.3	23,018	23,369	24,123	1.5	3.2	5,189	5,661	7,036	9.1	24.3
AGRICULTURAL SCIENCES	4,482	4,588	4,547	2.4	-.9	4,039	4,161	4,093	3.0	-1.6	443	427	454	-3.6	6.3
BIOLOGICAL SCIENCES	13,212	12,958	13,015	-1.9	.4	11,342	10,969	10,832	-3.3	-1.2	1,870	1,989	2,183	6.4	9.8
ANATOMY	320	305	286	-4.7	-6.2	291	289	268	-.7	-7.3	29	16	18	-44.8	12.5
BIOCHEMISTRY	1,032	984	977	-4.7	-.7	951	905	906	-4.8	.1	81	79	71	-2.5	-10.1
BIOLOGY	4,076	4,055	3,947	-.5	-2.7	3,187	3,065	3,010	-3.8	-1.8	889	990	937	11.4	-5.4
BIOMETRY/EPIDEMIOLOGY	252	231	258	-8.3	11.7	218	195	222	-10.6	13.8	34	36	36	5.9	.0
BIOPHYSICS	207	141	131	-31.9	-7.1	169	137	127	-18.9	-7.3	38	4	4	-89.5	.0
BOTANY	791	900	837	13.8	-7.0	738	824	775	11.7	-5.9	53	76	62	43.4	-18.4
CELL BIOLOGY	169	145	162	-23.3	11.7	179	136	154	-24.0	13.2	10	9	8	-10.0	-11.1
ECOLOGY	238	216	232	-9.2	7.4	218	189	201	-13.3	6.3	20	27	31	35.0	14.8
ENTOMOLOGY/PARASITOLOGY	522	453	449	-13.2	-.9	485	411	397	-15.3	-3.4	37	42	52	13.5	23.8
GENETICS	246	243	267	-1.2	9.9	224	219	251	-2.2	14.6	22	24	16	9.1	-33.3
MICROBIOLOGY	1,211	1,190	1,194	-1.7	.3	1,099	1,065	1,027	-3.1	-3.6	112	125	167	11.6	33.6
NUTRITION	1,127	1,189	1,450	5.5	22.0	965	974	1,135	.9	16.5	162	215	315	32.7	46.5
PATHOLOGY	326	314	353	-3.7	12.4	271	286	272	5.5	-4.9	55	28	81	-49.1	189.3
PHARMACOLOGY	489	477	456	-2.5	-4.4	462	448	421	-3.0	-6.0	27	29	35	7.4	20.7
PHYSIOLOGY	695	603	601	-13.2	-.3	636	549	549	-13.7	.0	59	54	52	-8.5	-3.7
ZOOLOGY	963	918	808	-4.7	-12.0	878	829	712	-5.6	-14.1	85	89	96	4.7	7.9
BIOSCIENCES, NEC.	528	594	607	12.5	2.2	371	448	405	20.8	-9.6	157	146	202	-7.0	38.4
HEALTH SCIENCES	10,513	11,484	13,597	9.2	18.4	7,637	8,239	9,198	7.9	11.6	2,876	3,245	4,399	12.8	35.6
ANESTHESIOLOGY	19	1	4	-94.7	300.0	19	1	2	-94.7	100.0	0	0	2	**	**
CARDIOLOGY	19	0	1	-100.0	**	18	0	1	-100.0	**	1	0	0	-100.0	**
CLINICAL PHARMACOLOGY	4	7	4	75.0	-42.9	3	7	4	133.3	-42.9	1	0	0	-100.0	**
DENTISTRY	517	473	584	-8.5	23.5	464	435	517	-6.3	18.9	53	38	67	-28.3	76.3
ENDOCRINOLOGY	9	13	12	44.4	-7.7	9	13	10	44.4	-23.1	0	0	2	**	**
GASTROENTEROLOGY	7	4	4	-42.9	.0	7	4	4	-42.9	.0	0	0	0	**	**
HEMATOLOGY	5	2	13	-60.0	550.0	5	1	2	-80.0	100.0	0	1	11	**	1000.0
NEUROLOGY	89	74	79	-16.9	6.8	86	73	79	-15.1	8.2	3	1	0	-66.7	-100.0
NURSING	2,916	4,017	5,633	37.8	40.2	1,569	2,335	3,040	48.8	30.2	1,347	1,682	2,593	24.9	54.2
OBSTETRICS/GYNECOLOGY	21	22	15	4.8	-31.8	20	20	15	.0	-25.0	1	2	0	100.0	-100.0
OPHTHALMOLOGY	5	2	0	-60.0	-100.0	5	1	0	-80.0	-100.0	0	1	0	**	-100.0
OTORHINOLARYNGOLOGY	11	20	19	81.8	-5.0	10	20	19	100.0	-5.0	1	0	0	-100.0	**
PEDIATRICS	70	133	76	90.0	-42.9	66	103	69	56.1	-33.0	4	30	7	650.0	-76.7
PHARMACEUTICAL SCIENCES	805	745	793	-7.5	6.4	521	469	544	-10.0	16.0	284	276	249	-2.8	-9.8
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,069	2,363	2,247	14.2	-4.9	1,749	1,853	1,745	5.9	-5.8	320	510	502	59.4	-1.6
PSYCHIATRY	78	68	29	-12.8	-57.4	69	62	29	-10.1	-53.2	9	6	0	-33.3	-100.0
PULMONARY DISEASE	5	0	9	-100.0	**	5	0	9	-100.0	**	0	0	0	**	**
RADIOLOGY	115	80	89	-30.4	11.2	99	80	79	-19.2	-1.2	16	0	10	-100.0	**
SPEECH PATH/AUDIOLOGY	2,311	2,016	2,185	-12.8	8.4	1,843	1,691	1,748	-8.2	3.4	468	325	437	-30.6	34.5
SURGERY	35	34	25	-2.9	-26.5	32	33	22	3.1	-33.3	3	1	3	-66.7	200.0
VETERINARY SCIENCES	246	272	287	10.6	5.5	184	227	228	23.4	.4	62	45	59	-27.4	31.1
CLINICAL MEDICINE, NEC.	402	363	406	-9.7	11.8	352	301	341	-14.5	13.3	50	62	65	24.0	4.8
HEALTH RELATED, NEC.	755	775	1,083	2.6	39.7	502	510	691	1.6	35.5	253	265	392	4.7	47.9
PSYCHOLOGY	7,660	7,476	7,475	-2.4	*	5,724	5,975	5,944	4.4	-.5	1,936	1,501	1,531	-22.5	2.0
SOCIAL SCIENCES	27,645	25,859	27,605	-6.5	6.8	19,649	18,709	19,812	-4.8	5.9	7,996	7,150	7,793	-10.6	9.0
AGRICULTURAL ECONOMICS	797	820	851	2.9	3.8	738	748	783	1.4	4.7	59	72	68	22.0	-5.6
ANTHROPOLOGY	1,499	1,580	1,546	5.4	-2.2	1,255	1,322	1,322	5.3	.0	244	258	224	5.7	-13.2
ECONOMICS (EXCEPT AGRICULTURAL)	3,933	3,500	3,641	-11.0	4.0	3,057	2,755	2,854	-9.9	3.6	876	745	787	-15.0	5.6
GEOGRAPHY	963	1,008	948	4.7	-6.0	811	820	784	1.1	-4.4	152	188	164	23.7	-12.8
HISTORY AND PHILOSOPHY OF SCIENCE	66	80	64	21.2	-20.0	62	73	60	17.7	-17.8	4	7	4	75.0	-42.9
LINGUISTICS	1,792	1,827	1,731	2.0	-5.3	1,506	1,495	1,371	-.7	-8.3	286	332	360	16.1	8.4
POLITICAL SCIENCE	8,465	7,410	8,286	-12.5	11.8	5,227	4,711	5,239	-9.9	11.2	3,238	2,699	3,047	-16.6	12.9
SOCIOLOGY	4,610	4,417	4,269	-4.2	-3.4	3,328	3,107	3,083	-6.6	-.8	1,282	1,310	1,186	2.2	-9.5
SOCIOLOGY/ANTHROPOLOGY	584	402	400	-31.2	-.5	406	271	280	-33.3	3.3	178	131	120	-26.4	-8.4
SOCIAL SCIENCES, NEC.	4,936	4,815	5,869	-2.5	21.9	3,259	3,407	4,036	4.5	18.5	1,677	1,408	1,833	-16.0	30.2

* LESS THAN 0.05 PERCENT CHANGE

TABLE B-32. GRADUATE STUDENTS BEYOND FIRST YEAR IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS: 1975-77

FIELD OF SCIENCE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	181890	189293	193035	4.1	2.0	131346	135776	137829	3.4	1.5	50,544	53,517	55,206	5.9	3.2
ENGINEERING	36,221	37,468	38,676	3.4	3.2	20,854	20,797	21,476	-.3	3.3	15,367	16,671	17,200	8.5	3.2
AERONAUTICAL	1,096	1,037	1,081	-5.4	4.2	825	821	870	-.5	6.0	271	216	211	-20.3	-2.3
AGRICULTURAL	440	538	555	22.3	3.2	367	433	463	18.0	6.9	73	105	92	43.8	-12.4
BIOMEDICAL	611	563	603	-7.9	7.1	527	443	469	-15.9	5.9	84	120	134	42.9	11.7
CHEMICAL	3,031	3,080	3,030	1.6	-1.6	2,132	2,125	2,259	-.3	6.3	899	955	771	6.2	-19.3
CIVIL	6,156	5,862	6,016	-4.8	2.6	3,294	3,031	3,165	-8.0	4.4	2,862	2,831	2,851	-1.1	.7
ELECTRICAL	8,353	8,411	8,579	.7	2.0	4,463	4,544	4,703	1.8	3.5	3,890	3,867	3,876	-.6	.2
ENGINEERING SCIENCE	1,674	1,598	1,543	-4.5	-3.4	1,175	1,117	1,030	-4.9	-7.8	499	481	513	-3.6	6.7
INDUSTRIAL	5,454	6,196	6,247	13.6	.8	2,280	2,211	2,070	-3.0	-6.4	3,174	3,985	4,177	25.6	4.8
MECHANICAL	4,119	4,102	4,331	-.4	5.6	2,289	2,355	2,407	2.9	2.2	1,830	1,747	1,924	-4.5	10.1
METALLURGICAL/MATERIALS	1,726	1,754	1,787	1.6	1.9	1,245	1,329	1,371	6.7	3.2	481	425	416	-11.6	-2.1
MINING	236	286	366	21.2	28.0	186	221	275	18.8	24.4	50	65	91	30.0	40.0
NUCLEAR	916	1,096	1,027	19.7	-6.3	702	818	775	16.5	-5.3	214	278	252	29.9	-9.4
PETROLEUM	249	255	302	2.4	18.4	190	209	242	10.0	15.8	59	46	60	-22.0	30.4
ENGINEERING, NEC.	2,160	2,690	3,209	24.5	19.3	1,179	1,140	1,377	-3.3	20.8	981	1,550	1,832	58.0	18.2
PHYSICAL SCIENCES	17,593	17,857	17,791	1.5	-.4	15,337	15,585	15,580	1.6	*	2,256	2,272	2,211	.7	-2.7
ASTRONOMY	500	466	407	-6.8	-12.7	453	423	377	-6.6	-10.9	47	43	30	-8.5	-30.2
CHEMISTRY	9,789	10,025	10,179	2.4	1.5	8,366	8,626	8,748	3.1	1.4	1,423	1,399	1,431	-1.7	2.3
PHYSICS	7,302	7,366	7,203	.9	-2.2	6,517	6,536	6,453	.3	-1.3	785	830	750	5.7	-9.6
PHYSICAL SCIENCES, NEC.	2	0	2	-100.0	**	1	0	2	-100.0	**	1	0	0	-100.0	**
ENVIRONMENTAL SCIENCES	6,879	7,421	7,731	7.9	4.2	5,487	5,896	6,179	7.5	4.8	1,392	1,525	1,552	9.6	1.8
ATMOSPHERIC SCIENCES	644	671	668	4.2	-.4	568	600	579	5.6	-3.5	76	71	89	-6.6	25.4
GEOSCIENCES	4,449	4,854	5,050	9.1	4.0	3,600	3,912	4,080	8.7	4.3	849	942	970	11.0	3.0
OCEANOGRAPHY	1,476	1,514	1,561	2.6	3.1	1,173	1,212	1,286	3.3	6.1	303	302	275	-.3	-8.9
ENVIRONMENTAL SCIENCES, NEC.	310	382	452	23.2	18.3	146	172	234	17.8	36.0	164	210	218	28.0	3.8
MATHEMATICAL SCIENCES	12,220	13,015	12,334	6.5	-5.2	8,395	8,974	8,503	6.9	-5.2	3,825	4,041	3,831	5.6	-5.2
COMPUTER SCIENCE	3,561	4,220	4,084	18.5	-3.2	2,202	2,631	2,442	19.5	-7.2	1,359	1,589	1,642	16.9	3.3
MATHEMATICS AND APPLIED MATHEMATICS	7,443	7,511	6,940	.9	-7.6	5,275	5,337	5,029	1.2	-5.8	2,168	2,174	1,911	.3	-12.1
STATISTICS	1,216	1,284	1,310	5.6	2.0	918	1,006	1,032	9.6	2.6	298	278	278	-6.7	.0
LIFE SCIENCES	44,815	47,405	51,118	5.8	7.8	36,422	38,268	40,216	5.1	5.1	8,393	9,137	10,902	8.9	19.3
AGRICULTURAL SCIENCES	7,012	7,572	7,964	8.0	5.2	5,686	6,226	6,527	9.5	4.8	1,326	1,346	1,437	1.5	6.8
BIOLOGICAL SCIENCES	27,450	28,403	29,548	3.5	4.0	23,321	24,189	24,939	3.7	3.1	4,129	4,214	4,609	2.1	9.4
ANATOMY	750	807	859	7.6	6.4	695	749	775	7.8	3.5	55	58	84	5.5	44.8
BIOCHEMISTRY	2,624	2,688	2,779	2.4	3.4	2,434	2,533	2,629	4.1	3.8	190	155	150	-18.4	-3.2
BIOLOGY	7,512	7,598	7,645	1.1	.6	5,702	5,786	5,851	1.5	1.1	1,810	1,812	1,794	.1	-1.0
BIOMETRY/EPIDEMIOLOGY	439	409	577	-6.8	41.1	371	339	455	-8.6	34.2	68	70	122	2.9	74.3
BIOPHYSICS	593	554	515	-6.6	-7.0	539	530	496	-1.7	-6.4	54	24	19	-55.6	-20.8
BOTANY	1,923	2,014	2,206	4.7	9.5	1,692	1,776	1,958	5.0	10.2	231	238	248	3.0	4.2
CELL BIOLOGY	413	420	457	1.7	8.6	403	399	430	-1.0	7.8	10	21	27	110.0	28.6
ECOLOGY	525	632	756	20.4	19.6	459	539	659	17.4	22.3	66	93	97	40.9	4.3
ENTOMOLOGY/PARASITOLOGY	1,027	1,128	1,132	9.8	.4	885	992	971	12.1	-2.1	142	136	161	-4.2	18.4
GENETICS	571	598	697	4.7	16.6	533	549	654	3.0	19.1	38	49	43	28.9	-12.2
MICROBIOLOGY	2,666	2,855	2,905	7.1	1.8	2,391	2,503	2,552	4.7	2.0	275	352	353	28.0	.3
NUTRITION	1,604	1,832	2,156	14.2	17.7	1,369	1,525	1,626	11.4	6.6	235	307	530	30.6	72.6
PATHOLOGY	724	722	810	-.3	12.2	620	641	676	3.4	5.5	104	81	134	-22.1	65.4
PHARMACOLOGY	1,117	1,215	1,295	8.8	6.6	1,046	1,128	1,209	7.8	7.2	71	87	86	22.5	-1.1
PHYSIOLOGY	1,612	1,662	1,542	3.1	-7.2	1,455	1,492	1,437	2.5	-3.7	157	170	105	8.3	-38.2
ZOOLOGY	2,557	2,368	2,268	-7.4	-4.2	2,180	2,045	1,914	-6.2	-6.4	377	323	354	-14.3	9.6
BIOSCIENCES, NEC.	793	901	949	13.6	5.3	547	663	647	21.2	-2.4	246	238	302	-3.3	26.9
HEALTH SCIENCES	10,353	11,430	13,606	10.4	19.0	7,415	7,853	8,750	5.9	11.4	2,938	3,577	4,856	21.7	35.8
ANESTHESIOLOGY	36	4	0	-88.9	-100.0	36	4	0	-88.9	-100.0	0	0	0	**	**
CARDIOLOGY	16	16	4	.0	-75.0	16	14	2	-12.5	-85.7	0	2	2	**	.0
CLINICAL PHARMACOLOGY	0	17	12	**	-29.4	0	17	12	**	-29.4	0	0	0	**	**
DENTISTRY	780	733	847	-6.0	15.6	635	587	677	-7.6	15.3	145	146	170	.7	16.4
ENDOCRINOLOGY	36	24	30	-33.3	25.0	36	20	25	-44.4	25.0	0	4	5	**	25.0
GASTROENTEROLOGY	9	4	4	-55.6	.0	5	4	4	-20.0	.0	4	0	0	-100.0	**
HEMATOLOGY	0	2	5	**	150.0	0	2	5	**	150.0	0	0	0	**	**
NEUROLOGY	270	263	266	-2.6	1.1	267	254	257	-4.9	1.2	3	9	9	200.0	.0
NURSING	1,800	2,546	4,141	41.4	62.6	1,158	1,444	2,010	24.7	39.2	642	1,102	2,131	71.7	93.4
OBSTETRICS/GYNECOLOGY	31	34	16	9.7	-52.9	30	29	14	-3.3	-51.7	1	5	2	400.0	-60.0
OPHTHALMOLOGY	20	7	10	-65.0	42.9	18	6	7	-66.7	16.7	2	1	3	-50.0	200.0
OTORHINOLARYNGOLOGY	41	46	36	12.2	-21.7	38	42	35	10.5	-16.7	3	4	1	33.3	-75.0
PEDIATRICS	92	44	31	-52.2	-29.5	66	38	29	-42.4	-23.7	26	6	2	-76.9	-66.7
PHARMACEUTICAL SCIENCES	1,515	1,472	1,541	-2.8	4.7	959	953	1,007	-.6	5.7	556	519	534	-6.7	2.9
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,558	1,895	1,892	21.6	-.2	1,162	1,301	1,267	12.0	-2.6	396	594	625	50.0	5.2
PSYCHIATRY	246	206	198	-16.3	-3.9	188	175	144	-6.9	-17.7	58	31	54	-46.6	74.2
PULMONARY DISEASE	4	2	8	-50.0	300.0	4	2	8	-50.0	300.0	0	0	0	**	**
RADIOLOGY	189	130	173	-31.2	33.1	145	118	141	-18.6	19.5	44	12	32	-72.7	166.7
SPEECH PATH/AUDIOLOGY	2,122	2,183	2,437	2.9	11.6	1,442	1,525	1,657	5.8	8.7	680	658	780	-3.2	18.5
SURGERY	93	81	72	-12.9	-11.1	82	70	57	-14.6	-18.6	11	11	15	.0	36.4
VETERINARY SCIENCES	422	454	526	7.6	15.9	321	333	402	3.7	20.7	101	121	124	19.8	2.5
CLINICAL MEDICINE, NEC.	289	331	454	14.5	37.2	250	264	376	5.6	42.4	39	67	78	71.8	16.4
HEALTH RELATED, NEC.	784	936	903	19.4	-3.5	557	651	614	16.9	-5.7	227	285	289	25.6	1.4
PSYCHOLOGY	19,284	20,712	20,322	7.4	-1.9	13,899	15,435	15,186	11.1	-1.6	5,385	5,277	5,136	-2.0	-2.7
SOCIAL SCIENCES	44,878	45,415	45,063	1.2	-.8	30,952	30,821	30,689	-.4	-.4	13,926	14,594	14,374	4.8	-1.5
AGRICULTURAL ECONOMICS	1,426	1,450	1,474	1.7	1.7	1,237	1,266	1,260	2.3	-.5	189	184	214	-2.6	16.3
ANTHROPOLOGY	4,630	4,569	4,632	-1.3	1.4	3,538	3,531	3,636	-.2	3.0	1,092	1,038	996	-4.9	-4.0
ECONOMICS (EXCEPT AGRICULTURAL)	6,982	6,918	7,037	-.9	1.7	5,068	4,705	4,987	-7.2	6.0	1,914	2,213	2,050	15.6	-7.4
GEOGRAPHY	1,935	1,990	1,867	2.8	-6.2	1,322	1,373	1,277	3.9	-7.0	613	617	590	.7	-4.4
HISTORY AND PHILOSOPHY OF SCIENCE	237	242	236	2.1	-2.5	197	197	197	.0	.0	40	45	39	12.5	-13.3
LINGUISTICS	2,532	2,782	2,680	9.9	-3.7	1,907	2,199	1,952	15.3	-11.2	625	583	728	-6.7	24.9
POLITICAL SCIENCE	12,614	12,726	12,600	.9	-1.0	7,329	6,939	6,791	-5.3	-2.1	5,285	5,787	5,809	9.5	.4
SOCIOLOGY	8,390	8,239	7,666	-1.8	-7.0	5,822	5,808	5,468	-.2	-5.9	2,568	2,431	2,198	-5.3	-9.6
SOCIOLOGY/ANTHROPOLOGY	1,034	940	933	-9.1	-.7	637	450	504	-29.4	12.0	397	490	429	23.4	-12.4
SOCIAL SCIENCES, NEC.	5,098	5,559	5,938	9.0	6.8	3,895	4,353	4,617	11.8	6.1	1,203	1,206	1,321	.2	9.5

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-33. MALE FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND LEVEL OF STUDY: 1975-77

FIELD OF SCIENCE	TOTAL					FIRST YEAR					BEYOND FIRST YEAR				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	158032	155587	154484	-1.5	-0.7	57,645	54,611	54,485	-5.3	-0.2	100387	100976	99,999	0.6	-1.0
ENGINEERING	35,645	34,689	35,210	-2.7	1.5	15,794	14,979	15,038	-5.2	.4	19,851	19,710	20,172	-.7	2.3
AERONAUTICAL	1,320	1,257	1,303	-4.8	3.7	508	447	447	-12.0	.0	812	810	856	-.2	5.7
AGRICULTURAL	624	685	711	9.8	3.8	266	267	271	.4	1.5	358	418	440	16.8	5.3
BIOMEDICAL	760	662	646	-12.9	-2.4	261	244	218	-6.5	-10.7	499	418	428	-16.2	2.4
CHEMICAL	3,313	3,385	3,571	2.2	5.5	1,280	1,399	1,482	9.3	5.9	2,033	1,986	2,089	-2.3	5.2
CIVIL	6,215	5,750	5,917	-7.5	2.9	3,081	2,868	2,942	-6.9	2.6	3,134	2,882	2,975	-8.0	3.2
ELECTRICAL	7,829	7,641	7,863	-2.4	2.9	3,494	3,251	3,347	-7.0	3.0	4,335	4,390	4,516	1.3	2.9
ENGINEERING SCIENCE	1,636	1,606	1,456	-1.8	-9.3	500	543	472	8.6	-13.1	1,136	1,063	984	-6.4	-7.4
INDUSTRIAL	4,077	3,806	3,574	-6.6	-6.1	2,047	1,828	1,757	-10.7	-3.9	2,030	1,978	1,817	-2.6	-8.1
MECHANICAL	4,207	4,220	4,284	.3	1.5	1,961	1,910	1,934	-2.6	1.3	2,246	2,310	2,350	2.8	1.7
METALLURGICAL/MATERIALS	1,725	1,782	1,816	3.3	1.9	539	522	524	-3.2	.4	1,186	1,260	1,292	6.2	2.5
MINING	331	396	422	19.6	6.6	155	180	160	16.1	-11.1	176	216	262	22.7	21.3
NUCLEAR	1,220	1,184	1,119	-3.0	-5.5	548	397	373	-27.6	-6.0	672	787	746	17.1	-5.2
PETROLEUM	309	402	389	30.1	-3.2	122	197	152	61.5	-22.8	187	205	237	9.6	15.6
ENGINEERING, NEC.	2,079	1,913	2,139	-8.0	11.8	1,032	926	959	-10.3	3.6	1,047	987	1,180	-5.7	19.6
PHYSICAL SCIENCES	18,634	18,719	18,706	.5	-.1	5,097	5,061	5,133	-.7	1.4	13,537	13,658	13,573	.9	-.6
ASTRONOMY	510	471	440	-7.6	-6.6	106	86	105	-18.9	22.1	404	385	335	-4.7	-13.0
CHEMISTRY	9,907	10,081	10,164	1.8	.8	2,877	2,900	2,909	.8	.3	7,030	7,181	7,255	2.1	1.0
PHYSICS	8,216	8,167	8,102	-.6	-.8	2,114	2,075	2,119	-1.8	2.1	6,102	6,092	5,983	-.2	-1.8
PHYSICAL SCIENCES, NEC.	1	0	0	-100.0	**	0	0	0	**	**	1	0	0	-100.0	**
ENVIRONMENTAL SCIENCES	7,366	7,557	7,727	2.6	2.2	2,555	2,495	2,481	-2.3	-.6	4,811	5,062	5,246	5.2	3.6
ATMOSPHERIC SCIENCES	835	812	813	-2.8	.1	308	258	281	-16.2	8.9	527	554	532	5.1	-4.0
GEOSCIENCES	4,830	5,060	5,167	4.8	2.1	1,708	1,737	1,720	1.7	-1.0	3,122	3,323	3,447	6.4	3.7
OCEANOGRAPHY	1,463	1,438	1,445	-1.7	.5	421	393	366	-6.7	-6.9	1,042	1,045	1,079	.3	3.3
ENVIRONMENTAL SCIENCES, NEC.	238	247	302	3.8	22.3	118	107	114	-9.3	6.5	120	140	188	16.7	34.3
MATHEMATICAL SCIENCES	10,899	11,042	10,714	1.3	-3.0	3,972	3,784	3,865	-4.7	2.1	6,927	7,258	6,849	4.8	-5.6
COMPUTER SCIENCE	3,391	3,585	3,490	5.7	-2.6	1,479	1,339	1,419	-9.5	6.0	1,912	2,246	2,071	17.5	-7.8
MATHEMATICS AND APPLIED MATHEMATICS	6,389	6,306	6,062	-1.3	-3.9	2,084	2,064	2,086	-1.0	1.1	4,305	4,242	3,976	-1.5	-6.3
STATISTICS	1,119	1,151	1,162	2.9	1.0	409	381	360	-6.8	-5.5	710	770	802	8.5	4.2
LIFE SCIENCES	39,961	39,540	39,424	-1.1	-.3	14,171	13,311	13,021	-6.1	-2.2	25,790	26,229	26,403	1.7	.7
AGRICULTURAL SCIENCES	8,390	8,712	8,616	3.8	-1.1	3,377	3,346	3,233	-.9	-3.4	5,013	5,366	5,383	7.0	.3
BIOLOGICAL SCIENCES	24,440	24,145	23,887	-1.2	-1.1	7,686	7,108	6,777	-7.5	-4.7	16,754	17,037	17,110	1.7	.4
ANATOMY	693	712	697	2.7	-2.1	196	208	179	6.1	-13.9	497	504	518	1.4	2.8
BIOCHEMISTRY	2,557	2,520	2,532	-1.4	.5	689	621	653	-9.9	5.2	1,868	1,899	1,879	1.7	-1.1
BIOLOGY	6,251	6,034	5,902	-3.5	-2.2	2,223	2,035	1,936	-8.5	-4.9	4,028	3,999	3,966	-.7	-.8
BIOMETRY/EPIDEMIOLOGY	364	320	423	-12.1	32.2	143	110	141	-23.1	28.2	221	210	282	-5.0	34.3
BIOPHYSICS	572	536	495	-6.3	-7.6	134	104	99	-22.4	-4.8	438	432	396	-1.4	-8.3
BOTANY	1,747	1,792	1,888	2.6	5.4	493	550	499	11.6	-9.3	1,254	1,242	1,389	-1.0	11.8
CELL BIOLOGY	402	369	388	-8.2	5.1	117	95	96	-18.8	1.1	285	274	292	-3.9	6.6
ECOLOGY	492	524	633	6.5	20.8	148	128	134	-13.5	4.7	344	396	499	15.1	26.0
ENTOMOLOGY/PARASITOLOGY	1,184	1,199	1,134	1.3	-5.4	420	331	307	-21.2	-7.3	764	868	827	13.6	-4.7
GENETICS	459	440	520	-4.1	18.2	134	114	138	-14.9	21.1	325	326	382	.3	17.2
MICROBIOLOGY	2,339	2,307	2,308	-1.4	*	706	665	622	-5.8	-6.5	1,633	1,642	1,686	.6	2.7
NUTRITION	1,174	1,234	1,201	5.1	-2.7	422	405	414	-4.0	2.2	752	829	787	10.2	-5.1
PATHOLOGY	644	620	630	-3.7	1.6	198	169	178	-14.6	5.3	446	451	452	1.1	.2
PHARMACOLOGY	1,154	1,178	1,195	2.1	1.4	337	323	298	-4.2	-7.7	817	855	897	4.7	4.9
PHYSIOLOGY	1,594	1,553	1,493	-2.6	-3.9	463	402	402	-13.2	.0	1,131	1,151	1,091	1.8	-5.2
ZOOLOGY	2,248	2,135	1,844	-5.0	-13.6	631	585	469	-7.3	-19.8	1,617	1,550	1,375	-4.1	-11.3
BIOSCIENCES, NEC.	566	672	604	18.7	-10.1	232	263	212	13.4	-19.4	334	409	392	22.5	-4.2
HEALTH SCIENCES	7,131	6,683	6,921	-6.3	3.6	3,108	2,857	3,011	-8.1	5.4	4,023	3,826	3,910	-4.9	2.2
ANESTHESIOLOGY	34	3	1	-91.2	-66.7	8	1	1	-87.5	.0	26	2	0	-92.3	-100.0
CARDIOLOGY	28	12	2	-57.1	-83.3	15	0	1	-100.0	**	13	12	1	-7.7	-91.7
CLINICAL PHARMACOLOGY	2	21	12	950.0	-42.9	2	6	4	200.0	-33.3	0	15	8	**	-46.7
DENTISTRY	979	887	1,015	-9.4	14.4	413	371	429	-10.2	15.6	566	516	586	-8.8	13.6
ENDOCRINOLOGY	31	22	23	-29.0	4.5	5	9	5	80.0	-44.4	26	13	18	-50.0	38.5
GASTROENTEROLOGY	12	8	8	-33.3	.0	7	4	4	-42.9	.0	5	4	4	-20.0	.0
HEMATOLOGY	3	1	3	-66.7	200.0	3	1	1	-66.7	.0	0	0	2	**	**
NEUROLOGY	275	236	238	-14.2	.8	63	43	48	-31.7	11.6	212	193	190	-9.0	-1.6
NURSING	93	148	225	59.1	52.0	62	97	157	56.5	61.9	31	51	68	64.5	33.3
OBSTETRICS/GYNECOLOGY	36	35	19	-2.8	-45.7	12	13	10	8.3	-23.1	24	22	9	-8.3	-59.1
OPHTHALMOLOGY	20	5	3	-75.0	-40.0	4	1	0	-75.0	-100.0	16	4	3	-75.0	-25.0
OTORHINOLARYNGOLOGY	42	52	33	23.8	-36.5	8	13	8	62.5	-38.5	34	39	25	14.7	-35.9
PEDIATRICS	67	66	33	-1.5	-50.0	29	41	20	41.4	-51.2	38	25	13	-34.2	-48.0
PHARMACEUTICAL SCIENCES	1,212	1,121	1,184	-7.5	5.6	408	347	393	-15.0	13.3	804	774	791	-3.7	2.2
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,664	1,627	1,589	-2.2	-2.3	912	948	918	3.9	-3.2	752	679	671	-9.7	-1.2
PSYCHIATRY	164	150	110	-8.5	-26.7	32	37	21	15.6	-43.2	132	113	89	-14.4	-21.2
PULMONARY DISEASE	9	2	17	-77.8	750.0	5	0	9	-100.0	**	4	2	8	-50.0	300.0
RADIOLOGY	207	162	180	-21.7	11.1	83	63	66	-24.1	4.8	124	99	114	-20.2	15.2
SPEECH PATH/AUDIOLOGY	764	695	657	-9.0	-5.5	379	262	212	-30.9	-19.1	385	433	445	12.5	2.8
SURGERY	97	88	65	-9.3	-26.1	24	27	19	12.5	-29.6	73	61	46	-16.4	-24.6
VETERINARY SCIENCES	402	428	475	6.5	11.0	138	167	158	21.0	-5.4	264	261	317	-1.1	21.5
CLINICAL MEDICINE, NEC.	370	335	388	-9.5	15.8	193	169	170	-12.4	.6	177	166	218	-6.2	31.3
HEALTH RELATED, NEC.	620	579	641	-6.6	10.7	303	237	357	-21.8	50.6	317	342	284	7.9	-17.0
PSYCHOLOGY	11,248	12,062	11,440	7.2	-5.2	3,105	3,242	3,085	4.4	-4.8	8,143	8,820	8,355	8.3	-5.3
SOCIAL SCIENCES	34,279	31,978	31,263	-6.7	-2.2	12,951	11,739	11,862	-9.4	1.0	21,328	20,239	19,401	-5.1	-4.1
AGRICULTURAL ECONOMICS	1,795	1,810	1,778	.8	-1.8	660	645	665	-2.3	3.1	1,135	1,165	1,113	2.6	-4.5
ANTHROPOLOGY	2,671	2,529	2,480	-5.3	-1.9	684	669	644	-2.2	-3.7	1,987	1,860	1,836	-6.4	-1.3
ECONOMICS (EXCEPT AGRICULTURAL)	6,996	6,222	6,422	-11.1	3.2	2,568	2,232	2,263	-13.1	1.4	4,428	3,990	4,159	-9.9	4.2
GEOGRAPHY	1,637	1,666	1,504	1.8	-9.7	584	606	570	3.8	-5.9	1,053	1,060	934	.7	-11.9
HISTORY AND PHILOSOPHY OF SCIENCE	185	201	183	8.6	-9.0	46	57	42	23.9	-26.3	139	144	141	3.6	-2.1
LINGUISTICS	1,681	1,615	1,484	-3.9	-8.1	722	640	592	-11.4	-7.5	959	975	892	1.7	-8.5
POLITICAL SCIENCE	9,743	8,775	8,712	-9.9	-.7	3,983	3,416	3,685	-14.2	7.9	5,760	5,359	5,027	-7.0	-6.2
SOCIOLOGY	5,743	5,371	4,975	-6.5	-7.4	2,064	1,836	1,766	-11.0	-3.8	3,679	3,535	3,209	-3.9	-9.2
SOCIOLOGY/ANTHROPOLOGY	601	404	462	-32.8	14.4	216	146	146	-32.4	.0	385	258	316	-33.0	22.5
SOCIAL SCIENCES, NEC.	3,227	3,385	3,263	4.9	-3.6	1,424	1,492	1,489	4.8	-.2	1,803	1,893	1,774	5.0	-6.3

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-34. FEMALE FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND LEVEL OF STUDY: 1975-77

FIELD OF SCIENCE	TOTAL					FIRST YEAR					BEYOND FIRST YEAR				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	52,628	58,256	63,742	10.7	9.4	21,669	23,456	25,912	8.2	10.5	30,959	34,800	37,830	12.4	8.7
ENGINEERING	2,015	2,149	2,606	6.7	21.3	1,012	1,062	1,302	4.9	22.6	1,003	1,087	1,304	8.4	20.0
AERONAUTICAL	23	22	31	-4.3	40.9	10	11	17	10.0	54.5	13	11	14	-15.4	27.3
AGRICULTURAL	16	29	42	81.3	44.8	7	14	19	100.0	35.7	9	15	23	66.7	53.3
BIOMEDICAL	51	55	77	7.8	40.0	23	30	36	30.4	20.0	28	25	41	-10.7	64.0
CHEMICAL	235	290	358	23.4	23.4	136	151	188	11.0	24.5	99	139	170	40.4	22.3
CIVIL	337	328	422	-2.7	28.7	177	179	232	1.1	29.6	160	149	190	-6.9	27.5
ELECTRICAL	223	288	369	29.1	28.1	95	134	182	41.1	35.8	128	154	187	20.3	21.4
ENGINEERING SCIENCE	72	98	82	36.1	-16.3	33	44	36	33.3	-18.2	39	54	46	38.5	-14.8
INDUSTRIAL	521	469	509	-10.0	8.5	271	236	256	-12.9	8.5	250	233	253	-6.8	8.6
MECHANICAL	102	101	116	-1.0	14.9	59	56	59	-5.1	5.4	43	45	57	4.7	26.7
METALLURGICAL/MATERIALS	95	109	143	14.7	31.2	36	40	64	11.1	60.0	59	69	79	16.9	14.5
MINING	19	17	28	-10.5	64.7	9	12	15	33.3	25.0	10	5	13	-50.0	160.0
NUCLEAR	47	49	46	4.3	-6.1	17	18	17	5.9	-5.6	30	31	29	3.3	-6.5
PETROLEUM	6	11	13	83.3	18.2	3	7	8	133.3	14.3	3	4	5	33.3	25.0
ENGINEERING, NEC.	268	283	370	5.6	30.7	136	130	173	-4.4	33.1	132	153	197	15.9	28.8
PHYSICAL SCIENCES	2,651	2,893	3,015	9.1	4.2	851	966	1,008	13.5	4.3	1,800	1,927	2,007	7.1	4.2
ASTRONOMY	60	54	60	-10.0	11.1	11	16	18	45.5	12.5	49	38	42	-22.4	10.5
CHEMISTRY	1,994	2,183	2,271	9.5	4.0	658	738	778	12.2	5.4	1,336	1,445	1,493	8.2	3.3
PHYSICS	597	656	682	9.9	4.0	182	212	212	16.5	.0	415	444	470	7.0	5.9
PHYSICAL SCIENCES, NEC.	0	0	2	**	**	0	0	0	0	0	0	0	2	**	**
ENVIRONMENTAL SCIENCES	1,106	1,377	1,507	24.5	9.4	430	543	574	26.3	5.7	676	834	933	23.4	11.9
ATMOSPHERIC SCIENCES	57	76	76	33.3	.0	16	30	29	87.5	-3.3	41	46	47	12.2	2.2
GEOSCIENCES	808	972	1,034	20.3	6.4	330	383	401	16.1	4.7	478	589	633	23.2	7.5
OCEANOGRAPHY	179	259	297	44.7	14.7	48	92	90	91.7	-2.2	131	167	207	27.5	24.0
ENVIRONMENTAL SCIENCES, NEC.	62	70	100	12.9	42.9	36	38	54	5.6	42.1	26	32	46	23.1	43.8
MATHEMATICAL SCIENCES	2,680	2,840	2,771	6.0	-2.4	1,212	1,124	1,117	-7.3	-.6	1,468	1,716	1,654	16.9	-3.6
COMPUTER SCIENCE	565	653	662	15.6	1.4	275	268	291	-2.5	8.6	290	385	371	32.8	-3.6
MATHEMATICS AND APPLIED MATHEMATICS	1,779	1,831	1,753	2.9	-4.3	809	736	700	-9.0	-4.9	970	1,095	1,053	12.9	-3.8
STATISTICS	336	356	356	6.0	.0	128	120	126	-6.3	5.0	208	236	230	13.5	-2.5
LIFE SCIENCES	19,479	22,097	24,915	13.4	12.8	8,847	10,058	11,102	13.7	10.4	10,632	12,039	13,813	13.2	14.7
AGRICULTURAL SCIENCES	1,335	1,675	2,004	25.5	19.6	662	815	860	23.1	5.5	673	860	1,144	27.8	33.0
BIOLOGICAL SCIENCES	10,223	11,013	11,884	7.7	7.9	3,656	3,861	4,055	5.6	5.0	6,567	7,152	7,829	8.9	9.5
ANATOMY	293	326	346	11.3	6.1	95	81	89	-14.7	9.9	198	245	257	23.7	4.9
BIOCHEMISTRY	828	918	1,003	10.9	9.3	262	284	253	8.4	-10.9	566	634	750	12.0	18.3
BIOLOGY	2,638	2,817	2,959	6.8	5.0	964	1,030	1,074	6.8	4.3	1,674	1,787	1,885	6.8	5.5
BIOMETRY/EPIDEMIOLOGY	225	214	254	-4.9	18.7	75	85	81	13.3	-4.7	150	129	173	-14.0	34.1
BIOPHYSICS	136	131	128	-3.7	-2.3	35	33	28	-5.7	-15.2	101	98	100	-3.0	2.0
BOTANY	683	808	845	18.3	4.6	245	274	276	11.8	.7	438	534	569	21.9	6.6
CELL BIOLOGY	180	166	196	-7.8	18.1	62	41	58	-33.9	41.5	118	125	138	5.9	10.4
ECOLOGY	185	204	227	10.3	11.3	70	61	67	-12.9	9.8	115	143	160	24.3	11.9
ENTOMOLOGY/PARASITOLOGY	186	204	234	9.7	14.7	65	80	90	23.1	12.5	121	124	144	2.5	16.1
GENETICS	298	328	385	10.1	17.4	90	105	113	16.7	7.6	208	223	272	7.2	22.0
MICROBIOLOGY	1,151	1,261	1,271	9.6	.8	393	400	405	1.8	1.2	758	861	866	13.6	.6
NUTRITION	1,160	1,265	1,560	9.1	23.3	543	569	721	4.8	26.7	617	696	839	12.8	20.5
PATHOLOGY	247	307	318	24.3	3.6	73	117	94	60.3	-19.7	174	190	224	9.2	17.9
PHARMACOLOGY	354	398	435	12.4	9.3	125	125	123	.0	-1.6	229	273	312	19.2	14.3
PHYSIOLOGY	497	488	493	-1.8	1.0	173	147	147	-15.0	.0	324	341	346	5.2	1.5
ZOOLOGY	810	739	782	-8.8	5.8	247	244	243	-1.2	-.4	563	495	539	-12.1	8.9
BIOSCIENCES, NEC.	352	439	448	24.7	2.1	139	185	193	33.1	4.3	213	254	255	19.2	.4
HEALTH SCIENCES	7,921	9,409	11,027	18.8	17.2	4,529	5,382	6,187	18.8	15.0	3,392	4,027	4,840	18.7	20.2
ANESTHESIOLOGY	21	2	1	-90.5	-50.0	11	0	1	-100.0	**	10	2	0	-80.0	-100.0
CARDIOLOGY	6	2	1	-66.7	-50.0	3	0	0	-100.0	**	3	2	1	-33.3	-50.0
CLINICAL PHARMACOLOGY	1	3	4	200.0	33.3	1	1	0	.0	-100.0	0	2	4	**	100.0
DENTISTRY	120	135	179	12.5	32.6	51	64	88	25.5	37.5	69	71	91	2.9	28.2
ENDOCRINOLOGY	14	11	12	-21.4	9.1	4	4	5	.0	25.0	10	7	7	-30.0	.0
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMATOLOGY	2	2	4	.0	100.0	2	0	1	-100.0	**	0	2	3	**	50.0
NEUROLOGY	78	91	98	16.7	7.7	23	30	31	30.4	3.3	55	61	67	10.9	9.8
NURSING	2,634	3,631	4,825	37.9	32.9	1,507	2,238	2,883	48.5	28.8	1,127	1,393	1,942	23.6	39.4
OBSTETRICS/GYNECOLOGY	14	14	10	.0	-28.6	8	7	5	-12.5	-28.6	6	7	5	16.7	-28.6
OPHTHALMOLOGY	3	2	4	-33.3	100.0	1	0	0	-100.0	**	2	2	4	.0	100.0
OTORHINOLARYNGOLOGY	6	10	21	66.7	110.0	2	7	11	250.0	57.1	4	3	10	-25.0	233.3
PEDIATRICS	65	75	65	15.4	-13.3	37	62	49	67.6	-21.0	28	13	16	-53.6	23.1
PHARMACEUTICAL SCIENCES	268	301	367	12.3	21.9	113	122	151	8.0	23.8	155	179	216	15.5	20.7
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,247	1,527	1,423	22.5	-6.8	837	905	827	8.1	-8.6	410	622	596	51.7	-4.2
PSYCHIATRY	93	87	63	-6.5	-27.6	37	25	8	-32.4	-68.0	56	62	55	10.7	-11.3
PULMONARY DISEASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RADIOLOGY	37	36	40	-2.7	11.1	16	17	13	6.3	-23.5	21	19	27	-9.5	42.1
SPEECH PATH/AUDIOLOGY	2,521	2,521	2,748	.0	9.0	1,464	1,429	1,536	-2.4	7.5	1,057	1,092	1,212	3.3	11.0
SURGERY	17	15	14	-11.8	-6.7	8	6	3	-25.0	-50.0	9	9	11	.0	22.2
VETERINARY SCIENCES	103	132	155	28.2	17.4	46	60	70	30.4	16.7	57	72	85	26.3	18.1
CLINICAL MEDICINE, NEC.	232	230	329	-.9	43.0	159	132	171	-17.0	29.5	73	98	158	34.2	61.2
HEALTH RELATED, NEC.	439	582	664	32.6	14.1	199	273	334	37.2	22.3	240	309	330	28.7	6.8
PSYCHOLOGY	8,375	9,348	9,690	11.6	3.7	2,619	2,733	2,859	4.4	4.6	5,756	6,615	6,831	14.9	3.3
SOCIAL SCIENCES	16,322	17,552	19,238	7.5	9.6	6,698	6,970	7,950	4.1	14.1	9,624	10,582	11,288	10.0	6.7
AGRICULTURAL ECONOMICS	180	204	265	13.3	29.9	78	103	118	32.1	14.6	102	101	147	-1.0	45.5
ANTHROPOLOGY	2,122	2,324	2,478	9.5	6.6	571	653	678	14.4	3.8	1,551	1,671	1,800	7.7	7.7
ECONOMICS (EXCEPT AGRICULTURAL)	1,129	1,238	1,419	9.7	14.6	489	523	591	7.0	13.0	640	715	828	11.7	15.8
GEOGRAPHY	496	527	557	6.3	5.7	227	214	214	-5.7	.0	269	313	343	16.4	9.6
HISTORY AND PHILOSOPHY OF SCIENCE	74	69	74	-6.8	7.2	16	16	18	.0	12.5	58	53	56	-8.6	5.7
LINGUISTICS	1,732	2,079	1,839	20.0	-11.5	784	855	779	9.1	-8.9	948	1,224	1,060	29.1	-13.4
POLITICAL SCIENCE	2,813	2,875	3,318	2.2	15.4	1,244	1,295	1,554	4.1	20.0	1,569	1,580	1,764	.7	11.6
SOCIOLOGY	3,407	3,544	3,576	4.0	.9	1,264	1,271	1,317	.6	3.6	2,143	2,273	2,259	6.1	-.6
SOCIOLOGY/ANTHROPOLOGY	442	317	322	-28.3	1.6	190	125	134	-34.2	7.2	252	192	188	-23.8	-2.1
SOCIAL SCIENCES, NEC.	3,927	4,375	5,390	11.4	23.2	1,835	1,915	2,547	4.4	33.0	2,092	2,460	2,843	17.6	15.6

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-35. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS,
BY FIELD OF SCIENCE AND CITIZENSHIP: 1975-77

FIELD OF SCIENCE	TOTAL					U.S. CITIZENS					FOREIGN STUDENTS				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	210660	213843	218224	1.5	2.0	177457	179346	181226	1.1	1.0	33,203	34,497	37,000	3.9	7.3
ENGINEERING	37,660	36,838	37,816	-2.2	2.7	25,685	24,363	24,181	-5.1	-.7	11,975	12,475	13,635	4.2	9.3
AERONAUTICAL	1,343	1,279	1,334	-4.8	4.3	885	797	794	-9.9	-.4	458	482	540	5.2	12.0
AGRICULTURAL	640	714	753	11.6	5.5	368	375	396	1.9	5.6	272	339	357	24.6	5.3
BIOMEDICAL	811	717	723	-11.6	.8	721	631	613	-12.5	-2.9	90	86	110	-4.4	27.9
CHEMICAL	3,548	3,675	3,929	3.6	6.9	2,192	2,186	2,382	-.3	9.0	1,356	1,489	1,547	9.8	3.9
CIVIL	6,552	6,078	6,339	-7.2	4.3	4,598	4,224	4,158	-8.1	-1.6	1,954	1,854	2,181	-5.1	17.6
ELECTRICAL	8,052	7,929	8,232	-1.5	3.8	5,466	5,221	5,239	-4.5	.3	2,586	2,708	2,993	4.7	10.5
ENGINEERING SCIENCE	1,708	1,704	1,538	-.2	-9.7	1,176	1,173	990	-.3	-15.6	532	531	548	-.2	3.2
INDUSTRIAL	4,598	4,275	4,083	-7.0	-4.5	3,311	2,960	2,608	-10.6	-11.9	1,287	1,315	1,475	2.2	12.2
MECHANICAL	4,309	4,321	4,400	.3	1.8	2,829	2,722	2,753	-3.8	1.1	1,480	1,599	1,647	8.0	3.0
METALLURGICAL/MATERIALS	1,820	1,891	1,959	3.9	3.6	1,092	1,149	1,183	5.2	3.0	728	742	776	1.9	4.6
MINING	350	413	450	18.0	9.0	202	247	269	22.3	8.9	148	166	181	12.2	9.0
NUCLEAR	1,267	1,233	1,165	-2.7	-5.5	865	847	774	-2.1	-8.6	402	386	391	-4.0	1.3
PETROLEUM	315	413	402	31.1	-2.7	116	150	146	29.3	-2.7	199	263	256	32.2	-2.7
ENGINEERING, NEC.	2,347	2,196	2,509	-6.4	14.3	1,864	1,681	1,876	-9.8	11.6	483	515	633	6.6	22.9
PHYSICAL SCIENCES	21,285	21,612	21,721	1.5	.5	16,891	17,173	17,146	1.7	-.2	4,394	4,439	4,575	1.0	3.1
ASTRONOMY	570	525	500	-7.9	-4.8	511	465	439	-9.0	-5.6	59	60	61	1.7	1.7
CHEMISTRY	11,901	12,264	12,435	3.1	1.4	9,568	9,818	9,969	2.6	1.5	2,333	2,446	2,466	4.8	.8
PHYSICS	8,813	8,823	8,784	.1	-.4	6,811	6,890	6,736	1.2	-2.2	2,002	1,933	2,048	-3.4	5.9
PHYSICAL SCIENCES, NEC.	1	0	2	-100.0	**	1	0	2	-100.0	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	8,472	8,934	9,234	5.5	3.4	7,564	7,960	8,159	5.2	2.5	908	974	1,075	7.3	10.4
ATMOSPHERIC SCIENCES ...	892	888	889	-.4	.1	760	744	751	-2.1	.9	132	144	138	9.1	-4.2
GEOSCIENCES	5,638	6,032	6,201	7.0	2.8	5,095	5,435	5,544	6.7	2.0	543	597	657	9.9	10.1
OCEANOGRAPHY	1,642	1,697	1,742	3.3	2.7	1,429	1,482	1,483	3.7	.1	213	215	259	.9	20.5
ENVIRONMENTAL SCIENCES, NEC.	300	317	402	5.7	26.8	280	299	381	6.8	27.4	20	18	21	-10.0	16.7
MATHEMATICAL SCIENCES	13,579	13,882	13,485	2.2	-2.9	10,914	10,949	10,348	.3	-5.5	2,665	2,933	3,137	10.1	7.0
COMPUTER SCIENCE	3,956	4,238	4,152	7.1	-2.0	3,045	3,251	3,164	6.8	-2.7	911	987	988	8.3	.1
MATHEMATICS AND APPLIED MATHEMATICS ..	8,168	8,137	7,815	-.4	-4.0	6,856	6,690	6,207	-2.4	-7.2	1,312	1,447	1,608	10.3	11.1
STATISTICS	1,455	1,507	1,518	3.6	.7	1,013	1,008	977	-.5	-3.1	442	499	541	12.9	8.4
LIFE SCIENCES	59,440	61,637	64,339	3.7	4.4	52,927	54,885	57,398	3.7	4.6	6,513	6,752	6,941	3.7	2.8
AGRICULTURAL SCIENCES	9,725	10,387	10,620	6.8	2.2	7,847	8,375	8,583	6.7	2.5	1,878	2,012	2,037	7.1	1.2
BIOLOGICAL SCIENCES	34,663	35,158	35,771	1.4	1.7	31,256	31,690	32,229	1.4	1.7	3,407	3,468	3,542	1.8	2.1
ANATOMY	986	1,038	1,043	5.3	.5	931	997	993	7.1	-.4	55	41	50	-25.5	22.0
BIOCHEMISTRY	3,385	3,438	3,535	1.6	2.8	2,969	3,044	3,114	2.5	2.3	416	394	421	-5.3	6.9
BIOLOGY	8,889	8,851	8,861	-.4	.1	8,340	8,300	8,301	-.5	*	549	551	560	.4	1.6
BIOMETRY/EPIDEMIOLOGY ..	589	534	677	-9.3	26.8	523	468	594	-10.5	26.9	66	66	83	.0	25.8
BIOPHYSICS	708	667	623	-5.8	-6.6	610	587	527	-3.8	-10.2	98	80	96	-18.4	20.0
BOTANY	2,430	2,600	2,733	7.0	5.1	2,109	2,275	2,391	7.9	5.1	321	325	342	1.2	5.2
CELL BIOLOGY	582	535	584	-8.1	9.2	524	481	529	-8.2	10.0	58	54	55	-6.9	1.9
ECOLOGY	677	728	860	7.5	18.1	634	692	811	9.1	17.2	43	36	49	-16.3	36.1
ENTOMOLOGY/PARASITOLOGY	1,370	1,403	1,368	2.4	-2.5	1,140	1,161	1,136	1.8	-2.2	230	242	232	5.2	-4.1
GENETICS	757	768	905	1.5	17.8	671	678	801	1.0	18.1	86	90	104	4.7	15.6
MICROBIOLOGY	3,490	3,568	3,579	2.2	.3	3,191	3,276	3,304	2.7	.9	299	292	275	-2.3	-5.8
NUTRITION	2,334	2,499	2,761	7.1	10.5	1,723	1,864	2,083	8.2	11.7	611	635	678	3.9	6.8
PATHOLOGY	891	927	948	4.0	2.3	792	811	820	2.4	1.1	99	116	128	17.2	10.3
PHARMACOLOGY	1,508	1,576	1,630	4.5	3.4	1,348	1,424	1,476	5.6	3.7	160	152	154	-5.0	1.3
PHYSIOLOGY	2,091	2,041	1,986	-2.4	-2.7	1,976	1,901	1,864	-3.8	-1.9	115	140	122	21.7	-12.9
ZOOLOGY	3,058	2,874	2,626	-6.0	-8.6	2,948	2,742	2,504	-7.0	-8.7	110	132	122	20.0	-7.6
BIOSCIENCES, NEC.	918	1,111	1,052	21.0	-5.3	827	989	981	19.6	-.8	91	122	71	34.1	-41.8
HEALTH SCIENCES	15,052	16,092	17,948	6.9	11.5	13,824	14,820	16,586	7.2	11.9	1,228	1,272	1,362	3.6	7.1
ANESTHESIOLOGY	55	5	2	-90.9	-60.0	52	4	2	-92.3	-50.0	3	1	0	-66.7	-100.0
CARDIOLOGY	34	14	3	-58.8	-78.6	28	14	3	-50.0	-78.6	6	0	0	-100.0	**
CLINICAL PHARMACOLOGY ..	3	24	16	700.0	-33.3	3	24	12	700.0	-50.0	0	0	4	**	**
DENTISTRY	1,099	1,022	1,194	-7.0	16.8	978	846	1,009	-13.5	19.3	121	176	185	45.5	5.1
ENDOCRINOLOGY	45	33	35	-26.7	6.1	41	28	32	-31.7	14.3	4	5	3	25.0	-40.0
GASTROENTEROLOGY	12	8	8	-33.3	.0	11	8	8	-27.3	.0	1	0	0	-100.0	**
HEMATOLOGY	5	3	7	-40.0	133.3	5	3	5	-40.0	66.7	0	0	2	**	**
NEUROLOGY	353	327	336	-7.4	2.8	320	308	312	-3.7	1.3	33	19	24	-42.4	26.3
NURSING	2,727	3,779	5,050	38.6	33.6	2,674	3,709	4,911	38.7	32.4	53	70	139	32.1	98.6
OBSTETRICS/GYNECOLOGY ..	50	49	29	-2.0	-40.8	42	41	24	-2.4	-41.5	8	8	5	.0	-37.5
OPHTHALMOLOGY	23	7	7	-69.6	.0	21	7	7	-66.7	.0	2	0	0	-100.0	**
OTORHINOLARYNGOLOGY	48	62	54	29.2	-12.9	39	50	50	28.2	.0	9	12	4	33.3	-66.7
PEDIATRICS	132	141	98	6.8	-30.5	121	130	87	7.4	-33.1	11	11	11	.0	.0
PHARMACEUTICAL SCIENCES	1,480	1,422	1,551	-3.9	9.1	1,071	1,019	1,130	-4.9	10.9	409	403	421	-1.5	4.5
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,911	3,154	3,012	8.3	-4.5	2,660	2,915	2,780	9.6	-4.6	251	239	232	-4.8	-2.9
PSYCHIATRY	257	237	173	-7.8	-27.0	255	229	167	-10.2	-27.1	2	8	6	300.0	-25.0
PULMONARY DISEASE	9	2	17	-77.8	750.0	9	2	17	-77.8	750.0	0	0	0	**	**
RADIOLOGY	244	198	220	-18.9	11.1	217	172	194	-20.7	12.8	27	26	26	-3.7	.0
SPEECH PATH/AUDIOLOGY ..	3,285	3,216	3,405	-2.1	5.9	3,217	3,159	3,351	-1.8	6.1	68	57	54	-16.2	-5.3
SURGERY	114	103	79	-9.6	-23.3	98	87	72	-11.2	-17.2	16	16	7	.0	-56.3
VETERINARY SCIENCES	505	560	630	10.9	12.5	394	436	490	10.7	12.4	111	124	140	11.7	12.9
CLINICAL MEDICINE, NEC.	602	565	717	-6.1	26.9	558	536	674	-3.9	25.7	44	29	43	-34.1	48.3
HEALTH RELATED, NEC. ...	1,059	1,161	1,305	9.6	12.4	1,010	1,093	1,249	8.2	14.3	49	68	56	38.8	-17.6
PSYCHOLOGY	19,623	21,410	21,130	9.1	-1.3	19,043	20,833	20,511	9.4	-1.5	580	577	619	-.5	7.3
SOCIAL SCIENCES	50,601	49,530	50,501	-2.1	2.0	44,433	43,183	43,483	-2.8	.7	6,168	6,347	7,018	2.9	10.6
AGRICULTURAL ECONOMICS .	1,975	2,014	2,043	2.0	1.4	1,315	1,392	1,374	5.9	-1.3	660	622	669	-5.8	7.6
ANTHROPOLOGY	4,793	4,853	4,958	1.3	2.2	4,543	4,601	4,674	1.3	1.6	250	252	284	.8	12.7
ECONOMICS (EXCEPT AGRICULTURAL)	8,125	7,460	7,841	-8.2	5.1	5,936	5,007	5,155	-15.7	3.0	2,189	2,453	2,686	12.1	9.5
GEOGRAPHY	2,133	2,193	2,061	2.8	-6.0	1,896	1,951	1,812	2.9	-7.1	237	242	249	2.1	2.9
HISTORY AND PHILOSOPHY OF SCIENCE	259	270	257	4.2	-4.8	234	246	232	5.1	-5.7	25	24	25	-4.0	4.2
LINGUISTICS	3,413	3,694	3,323	8.2	-10.0	2,965	3,221	2,808	8.6	-12.8	448	473	515	5.6	8.9
POLITICAL SCIENCE	12,556	11,650	12,030	-7.2	3.3	11,274	10,450	10,582	-7.3	1.3	1,282	1,200	1,448	-6.4	20.7
SOCIOLOGY	9,150	8,915	8,551	-2.6	-4.1	8,293	8,019	7,642	-3.3	-4.7	857	896	909	4.6	1.5
SOCIOLOGY/ANTHROPOLOGY .	1,043	721	784	-30.9	8.7	966	652	698	-32.5	7.1	77	69	86	-10.4	24.6
SOCIAL SCIENCES, NEC. ..	7,154	7,760	8,653	8.5	11.5	7,011	7,644	8,506	9.0	11.3	143	116	147	-18.9	26.7

* LESS THAN 0.05 PERCENT CHANGE

TABLE B-36. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1975-77

FIELD OF SCIENCE	FELLOWSHIPS AND TRAINEESHIPS					RESEARCH ASSISTANTSHIPS				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	39,013	37,704	39,414	-3.4	4.5	40,201	42,809	43,991	6.5	2.8
ENGINEERING	4,764	4,700	4,775	-1.3	1.6	11,009	11,404	11,939	3.6	4.7
AERONAUTICAL	151	158	144	4.6	-8.9	584	547	574	-6.3	4.9
AGRICULTURAL	77	74	99	-3.9	33.8	364	351	374	-3.6	6.6
BIOMEDICAL	189	176	135	-6.9	-23.3	183	175	180	-4.4	2.9
CHEMICAL	682	734	788	7.6	7.4	1,360	1,407	1,450	3.5	3.1
CIVIL	996	845	775	-15.2	-8.3	1,722	1,844	1,960	7.1	6.3
ELECTRICAL	766	762	770	-.5	1.0	2,159	2,127	2,412	-1.5	13.4
ENGINEERING SCIENCE	152	152	169	.0	11.2	623	613	519	-1.6	-15.3
INDUSTRIAL	457	307	517	-32.8	68.4	570	603	584	5.8	-3.2
MECHANICAL	437	421	427	-3.7	1.4	1,357	1,536	1,528	13.2	-.5
METALLURGICAL/MATERIALS	218	280	237	28.4	-8.2	1,111	1,147	1,159	3.2	1.0
MINING	82	163	178	98.8	9.2	111	128	130	15.3	1.6
NUCLEAR	299	279	202	-6.7	-27.6	473	471	508	-.4	7.9
PETROLEUM	90	159	133	76.7	-16.4	98	113	134	15.3	18.6
ENGINEERING, NEC.	168	190	181	13.1	-4.7	294	342	427	16.3	24.9
PHYSICAL SCIENCES	2,287	2,344	2,518	2.5	7.4	6,414	6,776	6,763	5.6	-.2
ASTRONOMY	92	92	94	.0	2.2	211	211	197	.0	-6.6
CHEMISTRY	1,315	1,352	1,420	2.8	5.0	3,174	3,470	3,534	9.3	1.8
PHYSICS	880	900	1,004	2.3	11.6	3,029	3,095	3,032	2.2	-2.0
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	849	935	1,103	10.1	18.0	2,745	3,084	3,151	12.3	2.2
ATMOSPHERIC SCIENCES	76	79	60	3.9	-24.1	466	488	497	4.7	1.8
GEOSCIENCES	591	686	887	16.1	29.3	1,342	1,613	1,615	20.2	.1
OCEANOGRAPHY	141	130	128	-7.8	-1.5	850	886	905	4.2	2.1
ENVIRONMENTAL SCIENCES, NEC.	41	40	28	-2.4	-30.0	87	97	134	11.5	38.1
MATHEMATICAL SCIENCES	1,269	1,249	1,239	-1.6	-.8	1,325	1,415	1,440	6.8	1.8
COMPUTER SCIENCE	310	296	283	-4.5	-4.4	688	731	748	6.3	2.3
MATHEMATICS AND APPLIED MATHEMATICS	780	780	811	.0	4.0	374	396	378	5.9	-4.5
STATISTICS	179	173	145	-3.4	-16.2	263	288	314	9.5	9.0
LIFE SCIENCES	16,226	15,450	16,577	-4.8	7.3	11,483	12,827	13,252	11.7	3.3
AGRICULTURAL SCIENCES	1,031	854	904	-17.2	5.9	4,111	4,385	4,491	6.7	2.4
BIOLOGICAL SCIENCES	8,810	8,147	8,367	-7.5	2.7	6,572	7,469	7,734	13.6	3.5
ANATOMY	361	297	303	-17.7	2.0	58	80	95	37.9	18.8
BIOCHEMISTRY	1,273	1,220	1,158	-4.2	-5.1	1,015	1,177	1,238	16.0	5.2
BIOLOGY	1,616	1,485	1,575	-8.1	6.1	836	1,020	980	22.0	-3.9
BIOMETRY/EPIDEMIOLOGY	311	257	289	-17.4	12.5	61	79	85	29.5	7.6
BIOPHYSICS	358	321	306	-10.3	-4.7	182	184	173	1.1	-6.0
BOTANY	206	206	231	.0	12.1	737	834	916	13.2	9.8
CELL BIOLOGY	294	265	327	-9.9	23.4	84	114	122	35.7	7.0
ECOLOGY	79	84	103	6.3	22.6	153	209	226	36.6	8.1
ENTOMOLOGY/PARASITOLOGY	125	118	87	-5.6	-26.3	656	659	664	.5	.8
GENETICS	343	296	419	-13.7	41.6	137	157	159	14.6	1.3
MICROBIOLOGY	1,077	1,014	992	-5.8	-2.2	656	733	739	11.7	.8
NUTRITION	420	362	408	-13.8	12.7	776	895	980	15.3	10.2
PATHOLOGY	429	380	338	-11.4	-11.1	98	113	99	15.3	-12.4
PHARMACOLOGY	715	717	723	.3	.8	270	279	300	3.3	7.5
PHYSIOLOGY	720	625	609	-13.2	-2.6	298	354	427	18.8	20.6
ZOOLOGY	323	224	235	-30.7	4.9	484	492	438	1.7	-11.0
BIOSCIENCES, NEC.	160	276	264	72.5	-4.3	71	90	87	26.8	-3.3
HEALTH SCIENCES	6,385	6,449	7,306	1.0	13.3	800	973	1,027	21.6	5.5
ANESTHESIOLOGY	55	4	1	-92.7	-75.0	0	1	0	**	-100.0
CARDIOLOGY	31	9	3	-71.0	-66.7	2	4	0	100.0	-100.0
CLINICAL PHARMACOLOGY	3	24	13	700.0	-45.8	0	0	0	**	**
DENTISTRY	246	219	193	-11.0	-11.9	18	35	14	94.4	-60.0
ENDOCRINOLOGY	17	13	11	-23.5	-15.4	6	2	3	-66.7	50.0
GASTROENTEROLOGY	11	8	8	-27.3	.0	1	0	0	-100.0	**
HEMATOLOGY	2	0	1	-100.0	**	0	1	4	**	300.0
NEUROLOGY	235	227	202	-3.4	-11.0	49	39	47	-20.4	20.5
NURSING	1,944	2,643	3,595	36.0	36.0	13	10	27	-23.1	170.0
OBSTETRICS/GYNECOLOGY	27	25	20	-7.4	-20.0	11	14	7	27.3	-50.0
OPHTHALMOLOGY	23	7	6	-69.6	-14.3	0	0	1	**	**
OTORHINOLARYNGOLOGY	38	46	25	21.1	-45.7	2	7	6	250.0	-14.3
PEDIATRICS	90	69	61	-23.3	-11.6	7	7	2	.0	-71.4
PHARMACEUTICAL SCIENCES	271	232	222	-14.4	-4.3	185	223	256	20.5	14.8
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,545	1,359	1,300	-12.0	-4.3	109	112	100	2.8	-10.7
PSYCHIATRY	143	106	79	-25.9	-25.5	17	24	17	41.2	-29.2
PULMONARY DISEASE	7	0	13	-100.0	**	0	0	1	**	**
RADIOLOGY	81	44	44	-45.7	.0	64	77	52	20.3	-32.5
SPEECH PATHOLOGY/AUDIOLOGY	742	642	679	-13.5	5.8	125	162	183	29.6	13.0
SURGERY	89	77	50	-13.5	-35.1	4	10	9	150.0	-10.0
VETERINARY SCIENCES	103	104	91	1.0	-12.5	142	179	245	26.1	36.9
CLINICAL MEDICINE, NEC.	205	156	223	-23.9	42.9	11	32	24	190.9	-25.0
HEALTH RELATED, NEC.	477	435	466	-8.8	7.1	34	34	29	.0	-14.7
PSYCHOLOGY	4,429	4,283	4,157	-3.3	-2.9	2,205	2,237	2,293	1.5	2.5
SOCIAL SCIENCES	9,189	8,743	9,045	-4.9	3.5	5,020	5,066	5,153	.9	1.7
AGRICULTURAL ECONOMICS	255	204	320	-20.0	56.9	910	901	970	-1.0	7.7
ANTHROPOLOGY	892	894	834	.2	-6.7	378	339	392	-10.3	15.6
ECONOMICS (EXCEPT AGRICULTURAL)	1,558	1,465	1,553	-6.0	6.0	1,080	1,095	1,085	1.4	-.9
GEOGRAPHY	250	220	236	-12.0	7.3	218	241	230	10.6	-4.6
HISTORY AND PHILOSOPHY OF SCIENCE	91	90	68	-1.1	-24.4	2	10	12	400.0	20.0
LINGUISTICS	555	612	615	10.3	.5	143	190	165	32.9	-13.2
POLITICAL SCIENCE	2,085	1,915	1,985	-8.2	3.7	868	872	787	.5	-9.7
SOCIOLOGY	1,769	1,731	1,576	-2.1	-9.0	1,052	1,121	1,155	6.6	3.0
SOCIOLOGY/ANTHROPOLOGY	153	156	110	2.0	-29.5	154	98	98	-36.4	.0
SOCIAL SCIENCES, NEC.	1,581	1,456	1,748	-7.9	20.1	215	199	259	-7.4	30.2

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TABLE B-34. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1975-77

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FIELD OF SCIENCE	TEACHING ASSISTANTSHIPS					OTHER TYPES OF SUPPORT				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	47,560	48,566	48,837	2.1	0.6	83,886	84,764	85,984	1.0	1.4
ENGINEERING	5,436	5,653	5,879	4.0	4.0	16,451	15,081	15,223	-8.3	.9
AERONAUTICAL	185	172	168	-7.0	-2.3	423	402	448	-5.0	11.4
AGRICULTURAL	41	52	46	26.8	-11.5	158	237	234	50.0	-1.3
BIOMEDICAL	73	61	68	-16.4	11.5	366	305	340	-16.7	11.5
CHEMICAL	637	646	713	1.4	10.4	869	888	978	2.2	10.1
CIVIL	782	873	939	11.6	7.6	3,052	2,516	2,665	-17.6	5.9
ELECTRICAL	1,603	1,611	1,551	.5	-3.7	3,524	3,429	3,499	-2.7	2.0
ENGINEERING SCIENCE	251	294	294	17.1	.0	682	645	556	-5.4	-13.8
INDUSTRIAL	446	548	538	22.9	-1.8	3,125	2,817	2,444	-9.9	-13.2
MECHANICAL	740	734	852	-.8	16.1	1,775	1,630	1,593	-8.2	-2.3
METALLURGICAL/MATERIALS	202	201	215	-.5	7.0	289	263	328	-9.0	24.7
MINING	33	28	39	-15.2	39.3	124	94	103	-24.2	9.6
NUCLEAR	117	129	114	10.3	-11.6	378	354	341	-6.3	-3.7
PETROLEUM	26	15	32	-42.3	113.3	101	126	103	24.8	-18.3
ENGINEERING, NEC.	300	289	310	-3.7	7.3	1,585	1,375	1,591	-13.2	15.7
PHYSICAL SCIENCES	10,169	10,177	10,116	.1	-.6	2,415	2,315	2,324	-4.1	.4
ASTRONOMY	165	144	145	-12.7	.7	102	78	64	-23.5	-17.9
CHEMISTRY	6,332	6,438	6,430	1.7	-.1	1,080	1,004	1,051	-7.0	4.7
PHYSICS	3,672	3,595	3,541	-2.1	-1.5	1,232	1,233	1,207	.1	-2.1
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	1	0	2	-100.0	**
ENVIRONMENTAL SCIENCES	2,053	2,140	2,118	4.2	-1.0	2,825	2,775	2,862	-1.8	3.1
ATMOSPHERIC SCIENCES	84	95	86	13.1	-9.5	266	226	246	-15.0	8.8
GEOSCIENCES	1,767	1,834	1,785	3.8	-2.7	1,938	1,899	1,914	-2.0	.8
OCEANOGRAPHY	122	145	160	18.9	10.3	529	536	549	1.3	2.4
ENVIRONMENTAL SCIENCES, NEC.	80	66	87	-17.5	31.8	92	114	153	23.9	34.2
MATHEMATICAL SCIENCES	6,442	6,512	6,288	1.1	-3.4	4,543	4,706	4,518	3.6	-4.0
COMPUTER SCIENCE	880	985	961	11.9	-2.4	2,078	2,226	2,160	7.1	-3.0
MATHEMATICS AND APPLIED MATHEMATICS	5,054	4,966	4,777	-1.7	-3.8	1,960	1,995	1,849	1.8	-7.3
STATISTICS	508	561	550	10.4	-2.0	505	485	509	-4.0	4.9
LIFE SCIENCES	11,050	11,521	11,651	4.3	1.1	20,681	21,839	22,859	5.6	4.7
AGRICULTURAL SCIENCES	878	974	1,016	10.9	4.3	3,705	4,174	4,209	12.7	.8
BIOLOGICAL SCIENCES	8,811	9,122	9,099	3.5	-.3	10,470	10,420	10,571	-.5	1.4
ANATOMY	261	313	313	19.9	.0	306	348	332	13.7	-4.6
BIOCHEMISTRY	554	579	617	4.5	6.6	543	462	522	-14.9	13.0
BIOLOGY	3,195	3,321	3,381	3.9	1.8	3,242	3,025	2,925	-6.7	-3.3
BIOMETRY/EPIDEMIOLOGY	31	39	38	25.8	-2.6	186	159	265	-14.5	66.7
BIOPHYSICS	55	42	37	-23.6	-11.9	113	120	107	6.2	-10.8
BOTANY	829	832	811	.4	-2.5	658	728	775	10.6	6.5
CELL BIOLOGY	134	92	92	-31.3	.0	70	64	43	-8.6	-32.8
ECOLOGY	169	237	235	40.2	-.8	276	198	296	-28.3	49.5
ENTOMOLOGY/PARASITOLOGY	139	154	148	10.8	-3.9	450	472	469	4.9	-.6
GENETICS	97	126	144	29.9	14.3	180	189	183	5.0	-3.2
MICROBIOLOGY	869	916	932	5.4	1.7	888	905	916	1.9	1.2
NUTRITION	228	228	268	.0	17.5	910	1,014	1,099	11.4	8.4
PATHOLOGY	35	35	54	.0	54.3	329	399	457	21.3	14.5
PHARMACOLOGY	201	213	199	6.0	-6.6	322	367	408	14.0	11.2
PHYSIOLOGY	410	429	382	4.6	-11.0	663	633	568	-4.5	-10.3
ZOOLOGY	1,408	1,379	1,269	-2.1	-8.0	843	779	684	-7.6	-12.2
BIOSCIENCES, NEC.	196	187	179	-4.6	-4.3	491	558	522	13.6	-6.5
HEALTH SCIENCES	1,361	1,425	1,536	4.7	7.8	6,506	7,245	8,079	11.4	11.5
ANESTHESIOLOGY	0	0	0	**	**	0	0	1	**	**
CARDIOLOGY	0	0	0	**	**	1	1	0	.0	-100.0
CLINICAL PHARMACOLOGY	0	0	0	**	**	0	0	3	**	**
DENTISTRY	123	153	175	24.4	14.4	712	615	812	-13.6	32.0
ENDOCRINOLOGY	5	8	5	60.0	-37.5	17	10	16	-41.2	60.0
GASTROENTEROLOGY	0	0	0	**	**	0	0	0	**	**
HEMATOLOGY	0	0	0	**	**	3	2	2	-33.3	.0
NEUROLOGY	40	31	21	-22.5	-32.3	29	30	66	3.4	120.0
NURSING	54	108	142	100.0	31.5	716	1,018	1,286	42.2	26.3
OBSTETRICS/GYNECOLOGY	2	3	0	50.0	-100.0	10	7	2	-30.0	-71.4
OPHTHALMOLOGY	0	0	0	**	**	0	0	0	**	**
OTORHINOLARYNGOLOGY	0	0	?	**	**	8	9	20	12.5	122.2
PEDIATRICS	3	2	0	-33.3	-100.0	32	63	35	96.9	-44.4
PHARMACEUTICAL SCIENCES	584	562	596	-3.8	6.0	440	405	477	-8.0	17.8
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	33	68	54	106.1	-20.6	1,224	1,615	1,558	31.9	-3.5
PSYCHIATRY	17	24	7	41.2	-70.8	80	83	70	3.7	-15.7
PULMONARY DISEASE	0	0	2	**	**	2	2	1	.0	-50.0
RADIOLOGY	7	15	16	114.3	6.7	92	62	108	-32.6	74.2
SPEECH PATHOLOGY/AUDIOLOGY	331	281	331	-15.1	17.8	2,087	2,131	2,212	2.1	3.8
SURGERY	0	1	4	**	300.0	21	15	16	-28.6	6.7
VETERINARY SCIENCES	100	89	112	-11.0	25.8	160	188	182	17.5	-3.2
CLINICAL MEDICINE, NEC.	27	34	36	25.9	5.9	359	343	434	-4.5	26.5
HEALTH RELATED, NEC.	35	46	32	31.4	-30.4	513	646	778	25.9	20.4
PSYCHOLOGY	4,102	4,126	4,193	.6	1.6	8,887	10,764	10,487	21.1	-2.6
SOCIAL SCIENCES	8,308	8,437	8,592	1.6	1.8	28,084	27,234	27,711	-2.8	1.6
AGRICULTURAL ECONOMICS	78	102	99	30.8	-2.9	732	807	654	10.2	-19.0
ANTHROPOLOGY	889	885	817	-.4	-7.7	2,634	2,735	2,915	3.8	6.6
ECONOMICS (EXCEPT AGRICULTURAL)	1,864	1,958	2,061	5.0	5.3	3,623	2,942	3,142	-18.8	6.8
GEOGRAPHY	722	723	732	.1	1.2	943	1,009	863	7.0	-14.5
HISTORY AND PHILOSOPHY OF SCIENCE	59	67	78	13.6	16.4	107	103	99	-3.7	-3.9
LINGUISTICS	886	907	992	2.4	9.4	1,829	1,985	1,551	8.5	-21.9
POLITICAL SCIENCE	1,603	1,638	1,622	2.2	-1.0	8,000	7,225	7,636	-9.7	5.7
SOCIOLOGY	1,708	1,688	1,752	-1.2	3.8	4,621	4,375	4,063	-5.3	-7.0
SOCIOLOGY/ANTHROPOLOGY	217	231	221	6.5	-4.3	519	236	355	-54.5	50.4
SOCIAL SCIENCES, NEC.	282	238	218	-15.6	-8.4	5,076	5,867	6,428	15.6	9.6

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-37. FULL-TIME GRADUATE STUDENTS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1975-77

FIELD OF SCIENCE	FELLOWSHIPS AND TRAINEESHIPS					RESEARCH ASSISTANTSHIPS				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	22,753	21,938	22,389	-3.6	2.1	31,318	33,358	34,183	6.5	2.5
ENGINEERING	2,394	2,485	2,452	3.8	-1.3	7,782	7,893	8,197	1.4	3.9
AERONAUTICAL	39	38	31	-2.6	-18.4	331	334	322	.9	-3.6
AGRICULTURAL	70	68	93	-2.9	36.8	352	338	357	-4.0	5.6
BIOMEDICAL	61	67	51	9.8	-23.9	114	115	109	.9	-5.2
CHEMICAL	351	337	401	-4.0	19.0	1,047	1,042	1,055	-.5	1.2
CIVIL	625	561	486	-10.2	-13.4	1,344	1,416	1,492	5.4	5.4
ELECTRICAL	360	359	349	-.3	-2.8	1,349	1,321	1,526	-2.1	15.5
ENGINEERING SCIENCE	88	66	65	-25.0	-1.5	434	441	355	1.6	-19.5
INDUSTRIAL	114	146	179	28.1	22.6	425	378	373	-11.1	-1.3
MECHANICAL	237	233	203	-1.7	-12.9	1,002	1,016	1,050	1.4	3.3
METALLURGICAL/MATERIALS	90	135	140	50.0	3.7	672	727	700	8.2	-3.7
MINING	55	122	151	121.8	23.8	85	98	97	15.3	-1.0
NUCLEAR	190	176	134	-7.4	-23.9	399	381	418	-4.5	9.7
PETROLEUM	47	91	86	93.6	-5.5	76	82	86	7.9	4.9
ENGINEERING, NEC.	67	86	83	28.4	-3.5	152	204	257	34.2	26.0
PHYSICAL SCIENCES	973	1,008	1,100	3.6	9.1	4,258	4,555	4,432	7.0	-2.7
ASTRONOMY	34	23	25	-32.4	8.7	128	135	125	5.5	-7.4
CHEMISTRY	584	645	716	10.4	11.0	2,263	2,489	2,490	10.0	*
PHYSICS	355	340	359	-4.2	5.6	1,867	1,931	1,817	3.4	-5.9
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	508	589	694	15.9	17.8	2,155	2,461	2,541	14.2	3.3
ATMOSPHERIC SCIENCES	66	67	49	1.5	-26.9	414	442	454	6.8	2.7
GEOSCIENCES	293	394	522	34.5	32.5	932	1,152	1,169	23.6	1.5
OCEANOGRAPHY	108	93	102	-13.9	9.7	727	771	792	6.1	2.7
ENVIRONMENTAL SCIENCES, NEC.	41	35	21	-14.6	-40.0	82	96	126	17.1	31.3
MATHEMATICAL SCIENCES	629	591	524	-6.0	-11.3	867	926	925	6.8	-.1
COMPUTER SCIENCE	220	208	178	-5.5	-14.4	503	538	531	7.0	-1.3
MATHEMATICS AND APPLIED MATHEMATICS	292	264	262	-9.6	-.8	164	168	168	2.4	.0
STATISTICS	117	119	84	1.7	-29.4	200	220	226	10.0	2.7
LIFE SCIENCES	10,686	10,083	10,573	-5.6	4.9	10,407	11,537	12,029	10.9	4.3
AGRICULTURAL SCIENCES	921	755	805	-18.0	6.6	3,981	4,256	4,370	6.9	2.7
BIOLOGICAL SCIENCES	4,696	4,227	4,351	-10.0	2.9	5,747	6,403	6,749	11.4	5.4
ANATOMY	184	134	116	-27.2	-13.4	47	65	82	38.3	26.2
BIOCHEMISTRY	648	612	566	-5.6	-7.5	857	950	1,034	10.9	8.8
BIOLOGY	505	481	508	-4.8	5.6	642	732	746	14.0	2.2
BIOMETRY/EPIDEMIOLOGY	205	182	204	-11.2	12.1	55	68	75	23.6	10.3
BIOPHYSICS	105	81	68	-22.9	-16.0	129	128	120	-.8	-6.3
BOTANY	167	168	194	.6	15.5	700	797	879	13.9	10.3
CELL BIOLOGY	125	98	154	-21.6	57.1	65	105	106	61.5	1.0
ECOLOGY	62	66	86	6.5	30.3	132	183	214	38.6	16.9
ENTOMOLOGY/PARASITOLOGY	94	97	73	3.2	-24.7	639	636	648	-.5	1.9
GENETICS	206	186	257	-9.7	38.2	132	154	155	16.7	.6
MICROBIOLOGY	684	561	540	-18.0	-3.7	568	643	653	13.2	1.6
NUTRITION	218	185	202	-15.1	9.2	677	764	839	12.9	9.8
PATHOLOGY	261	206	192	-21.1	-6.8	73	84	88	15.1	4.8
PHARMACOLOGY	425	412	409	-3.1	-.7	237	220	228	-7.2	3.6
PHYSIOLOGY	437	357	357	-18.3	.0	259	313	374	20.8	19.5
ZOOLOGY	288	203	210	-29.5	3.4	467	476	425	1.9	-10.7
BIOSCIENCES, NEC.	82	198	215	141.5	8.6	68	85	81	25.0	-4.7
HEALTH SCIENCES	5,069	5,101	5,417	.6	6.2	679	878	910	29.3	3.6
ANESTHESIOLOGY	14	4	1	-71.4	-75.0	0	1	0	**	-100.0
CARDIOLOGY	30	9	2	-70.0	-77.8	2	4	0	100.0	-100.0
CLINICAL PHARMACOLOGY	3	24	5	700.0	-79.2	0	0	0	**	**
DENTISTRY	160	161	162	.6	.6	17	24	5	41.2	-79.2
ENDOCRINOLOGY	16	12	11	-25.0	-8.3	6	2	3	-66.7	50.0
GASTROENTEROLOGY	11	8	8	-27.3	.0	1	0	0	-100.0	**
HEMATOLOGY	2	0	1	-100.0	**	0	1	0	**	-100.0
NEUROLOGY	106	101	125	-4.7	23.8	31	27	30	-12.9	11.1
NURSING	1,689	2,150	2,505	27.3	16.5	10	8	19	-20.0	137.5
OBSTETRICS/GYNECOLOGY	22	15	9	-31.8	-40.0	11	13	6	18.2	-53.8
OPHTHALMOLOGY	5	3	5	-40.0	66.7	0	0	1	**	**
OTORHINOLARYNGOLOGY	35	43	23	22.9	-46.5	0	3	3	**	.0
PEDIATRICS	56	38	36	-32.1	-5.3	7	7	2	.0	-71.4
PHARMACEUTICAL SCIENCES	250	223	216	-10.8	-3.1	179	221	248	23.5	12.2
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,247	1,118	1,044	-10.3	-6.6	67	99	83	47.8	-16.2
PSYCHIATRY	98	71	49	-27.6	-31.0	17	24	17	41.2	-29.2
PULMONARY DISEASE	5	0	3	-100.0	**	0	0	1	**	**
RADIOLOGY	76	42	40	-44.7	-4.8	62	67	52	8.1	-22.4
SPEECH PATHOLOGY/AUDIOLOGY	620	511	563	-17.6	10.2	105	161	175	53.3	8.7
SURGERY	71	59	41	-16.9	-30.5	4	3	2	-25.0	-33.3
VETERINARY SCIENCES	86	90	79	4.7	-12.2	122	153	214	25.4	39.9
CLINICAL MEDICINE, NEC.	139	95	150	-31.7	57.9	11	32	24	190.9	-25.0
HEALTH RELATED, NEC.	328	324	339	-1.2	4.6	27	28	25	3.7	-10.7
PSYCHOLOGY	2,760	2,688	2,532	-2.6	-5.8	1,744	1,811	1,768	3.8	-2.4
SOCIAL SCIENCES	4,803	4,494	4,514	-6.4	.4	4,105	4,175	4,291	1.7	2.8
AGRICULTURAL ECONOMICS	240	188	305	-21.7	62.2	862	865	930	.3	7.5
ANTHROPOLOGY	375	402	399	7.2	-.7	285	273	324	-4.2	18.7
ECONOMICS (EXCEPT AGRICULTURAL)	495	384	407	-22.4	6.0	843	870	835	3.2	-4.0
GEOGRAPHY	161	149	173	-7.5	16.1	202	215	207	6.4	-3.7
HISTORY AND PHILOSOPHY OF SCIENCE	21	25	15	19.0	-40.0	2	6	2	200.0	-66.7
LINGUISTICS	342	430	435	25.7	1.2	90	117	105	30.0	-10.3
POLITICAL SCIENCE	961	858	791	-10.7	-7.8	659	663	622	.6	-6.2
SOCIOLOGY	907	889	785	-2.0	-11.7	872	918	962	5.3	4.8
SOCIOLOGY/ANTHROPOLOGY	71	81	39	14.1	-51.9	121	81	84	-33.1	3.7
SOCIAL SCIENCES, NEC.	1,230	1,088	1,165	-11.5	7.1	169	167	220	-1.2	31.7

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TABLE B-37. FULL-TIME GRADUATE STUDENTS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS,
BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1975-77

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FIELD OF SCIENCE	TEACHING ASSISTANTSHIPS					OTHER TYPES OF SUPPORT				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	38,511	39,378	39,659	2.3	0.7	60,907	61,086	61,809	0.3	1.2
ENGINEERING	4,013	4,228	4,400	5.4	4.1	11,579	10,685	10,966	-7.7	2.6
AERONAUTICAL	137	116	119	-15.3	2.6	336	326	355	-3.0	8.9
AGRICULTURAL	35	45	41	28.6	-8.9	148	231	226	56.1	-2.2
BIOMEDICAL	41	31	38	-24.4	22.6	211	160	202	-24.2	26.2
CHEMICAL	478	479	539	.2	12.5	615	627	697	2.0	11.2
CIVIL	586	660	692	12.6	4.8	2,116	1,847	2,016	-12.7	9.1
ELECTRICAL	1,124	1,169	1,135	4.0	-2.9	2,610	2,490	2,514	-4.6	1.0
ENGINEERING SCIENCE	190	234	236	23.2	.9	633	590	487	-6.8	-17.5
INDUSTRIAL	340	403	391	18.5	-3.0	1,716	1,470	1,403	-14.3	-4.6
MECHANICAL	551	573	658	4.0	14.8	1,358	1,190	1,119	-12.4	-6.0
METALLURGICAL/MATERIALS	134	135	141	.7	4.4	217	190	241	-12.4	26.8
MINING	27	21	32	-22.2	52.4	106	84	89	-20.8	6.0
NUCLEAR	80	98	84	22.5	-14.3	306	311	275	1.6	-11.6
PETROLEUM	22	9	25	-59.1	177.8	81	102	87	25.9	-14.7
ENGINEERING, NEC.	268	255	269	-4.9	5.5	1,126	1,067	1,255	-5.2	17.6
PHYSICAL SCIENCES	7,805	7,781	7,842	-.3	.8	1,869	1,789	1,802	-4.3	.7
ASTRONOMY	134	120	122	-10.4	1.7	90	64	50	-28.9	-21.9
CHEMISTRY	4,961	5,018	5,056	1.1	.8	824	785	780	-4.7	-.6
PHYSICS	2,710	2,643	2,664	-2.5	.8	954	940	970	-1.5	3.2
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	1	0	2	-100.0	**
ENVIRONMENTAL SCIENCES	1,804	1,837	1,819	1.8	-1.0	2,234	2,254	2,416	.9	7.2
ATMOSPHERIC SCIENCES	82	93	84	13.4	-9.7	257	222	242	-13.6	9.0
GEOSCIENCES	1,539	1,567	1,526	1.8	-2.6	1,565	1,574	1,646	.6	4.6
OCEANOGRAPHY	107	114	130	6.5	14.0	320	345	377	7.8	9.3
ENVIRONMENTAL SCIENCES, NEC.	76	63	79	-17.1	25.4	92	113	151	22.8	33.6
MATHEMATICAL SCIENCES	5,314	5,363	5,251	.9	-2.1	3,729	3,947	3,731	5.8	-5.5
COMPUTER SCIENCE	749	837	867	11.7	3.6	1,791	1,962	1,832	9.5	-6.6
MATHEMATICS AND APPLIED MATHEMATICS	4,124	4,041	3,880	-2.0	-4.0	1,509	1,564	1,438	3.6	-8.1
STATISTICS	441	485	504	10.0	3.9	429	421	461	-1.9	9.5
LIFE SCIENCES	9,430	9,913	10,003	5.1	.9	16,704	17,584	18,346	5.3	4.3
AGRICULTURAL SCIENCES	849	938	977	10.5	4.2	3,654	4,117	4,152	12.7	.9
BIOLOGICAL SCIENCES	7,375	7,688	7,643	4.2	-.6	8,065	8,016	8,068	-.6	.6
ANATOMY	213	254	274	19.2	7.9	213	247	223	16.0	-9.7
BIOCHEMISTRY	462	531	548	14.9	3.2	403	339	352	-15.9	3.8
BIOLOGY	2,395	2,432	2,515	1.5	3.4	2,218	2,178	2,140	-1.8	-1.7
BIOMETRY/EPIDEMIOLOGY	28	35	27	25.0	-22.9	135	91	173	-32.6	90.1
BIOPHYSICS	55	39	34	-29.1	-12.8	105	100	93	-4.8	-7.0
BOTANY	763	770	742	.9	-3.6	626	694	737	10.9	6.2
CELL BIOLOGY	97	85	85	-12.4	.0	37	50	36	35.1	-28.0
ECOLOGY	141	207	204	46.8	-1.4	213	188	272	-11.7	44.7
ENTOMOLOGY/PARASITOLOGY	130	149	138	14.6	-7.4	434	458	452	5.5	-1.3
GENETICS	89	117	132	31.5	12.8	155	154	149	-.6	-3.2
MICROBIOLOGY	774	816	824	5.4	1.0	735	735	729	.0	-.8
NUTRITION	183	198	220	8.2	11.1	773	805	882	4.1	9.6
PATHOLOGY	29	31	44	6.9	41.9	241	271	286	12.4	5.5
PHARMACOLOGY	163	177	181	8.6	2.3	242	263	249	8.7	-5.3
PHYSIOLOGY	369	384	342	4.1	-10.9	489	431	374	-11.9	-13.2
ZOOLOGY	1,318	1,301	1,184	-1.3	-9.0	799	717	647	-10.3	-9.8
BIOSCIENCES, NEC.	166	162	149	-2.4	-8.0	247	295	274	19.4	-7.1
HEALTH SCIENCES	1,206	1,287	1,383	6.7	7.5	4,985	5,451	6,126	9.3	12.4
ANESTHESIOLOGY	0	0	0	**	**	0	0	1	**	**
CARDIOLOGY	0	0	0	**	**	0	1	0	**	-100.0
CLINICAL PHARMACOLOGY	0	0	0	**	**	0	0	0	**	**
DENTISTRY	106	139	153	31.1	10.1	407	374	432	-8.1	15.5
ENDOCRINOLOGY	5	8	5	60.0	-37.5	17	10	16	-41.2	60.0
GASTROENTEROLOGY	0	0	0	**	**	0	0	0	**	**
HEMATOLOGY	0	0	0	**	**	3	2	0	-33.3	-100.0
NEUROLOGY	9	15	7	66.7	-53.3	18	18	23	.0	27.8
NURSING	53	107	132	101.9	23.4	688	775	1,084	12.6	39.9
OBSTETRICS/GYNECOLOGY	2	3	0	50.0	-100.0	8	6	2	-25.0	-66.7
OPHTHALMOLOGY	0	0	0	**	**	0	0	0	**	**
OTORHINOLARYNGOLOGY	0	0	3	**	**	1	2	2	100.0	.0
PEDIATRICS	3	2	0	-33.3	-100.0	29	57	29	96.6	-49.1
PHARMACEUTICAL SCIENCES	500	472	517	-5.6	9.5	326	368	402	12.9	9.2
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	33	67	54	103.0	-19.4	835	1,126	1,081	34.9	-4.0
PSYCHIATRY	17	24	7	41.2	-70.8	32	30	32	-6.3	6.7
PULMONARY DISEASE	0	0	0	**	**	2	2	1	.0	-50.0
RADIOLOGY	7	15	16	114.3	6.7	81	61	101	-24.7	65.6
SPEECH PATHOLOGY/AUDIOLOGY	314	272	313	-13.4	15.1	1,784	1,847	1,967	3.5	6.5
SURGERY	0	0	4	**	**	19	14	14	-26.3	.0
VETERINARY SCIENCES	98	86	107	-12.2	24.4	153	179	171	17.0	-4.5
CLINICAL MEDICINE, NEC.	25	34	36	36.0	5.9	225	205	230	-8.9	12.2
HEALTH RELATED, NEC.	34	43	29	26.5	-32.6	357	374	538	4.8	43.9
PSYCHOLOGY	3,341	3,347	3,385	.2	1.1	5,497	6,016	5,712	9.4	-5.1
SOCIAL SCIENCES	6,804	6,909	6,959	1.5	.7	19,295	18,811	18,836	-2.5	.1
AGRICULTURAL ECONOMICS	74	89	87	20.3	-2.2	710	792	642	11.5	-18.9
ANTHROPOLOGY	709	749	686	5.6	-8.4	2,033	2,138	2,202	5.2	3.0
ECONOMICS (EXCEPT AGRICULTURAL)	1,470	1,566	1,579	6.5	.8	2,105	1,973	2,000	-6.3	1.4
GEOGRAPHY	672	674	673	.3	-.1	835	905	781	8.4	-13.7
HISTORY AND PHILOSOPHY OF SCIENCE	40	41	54	2.5	31.7	64	63	64	-1.6	1.6
LINGUISTICS	715	713	774	-.3	8.6	1,222	1,386	1,189	13.4	-14.2
POLITICAL SCIENCE	1,276	1,268	1,272	-.6	.3	4,498	3,886	4,165	-13.6	7.2
SOCIOLOGY	1,478	1,429	1,480	-3.3	3.6	3,556	3,161	2,899	-11.1	-8.3
SOCIOLOGY/ANTHROPOLOGY	166	175	167	5.4	-4.6	427	118	229	-72.4	94.1
SOCIAL SCIENCES, NEC.	204	205	187	.5	-8.8	3,845	4,389	4,665	14.1	6.3

* LESS THAN 0.03 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-38. FULL-TIME GRADUATE STUDENTS IN PRIVATELY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1975-77

FIELD OF SCIENCE	FELLOWSHIPS AND TRAINEESHIPS					RESEARCH ASSISTANTSHIPS				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	16,260	15,766	17,029	-3.0	8.0	8,883	9,451	9,898	6.4	3.8
ENGINEERING	2,370	2,215	2,323	-6.5	4.9	3,227	3,511	3,742	8.8	6.6
AERONAUTICAL	112	120	113	7.1	-5.8	253	213	252	-15.8	18.3
AGRICULTURAL	7	6	6	-14.3	.0	12	13	17	8.3	30.8
BIOMEDICAL	128	109	84	-14.8	-22.9	69	60	71	-13.0	18.3
CHEMICAL	331	397	387	19.9	-2.5	313	365	395	16.6	8.2
CIVIL	371	284	289	-23.5	1.8	378	428	468	13.2	9.3
ELECTRICAL	406	403	421	-.7	4.5	810	806	886	-.5	9.9
ENGINEERING SCIENCE	64	86	104	34.4	20.9	189	172	164	-9.0	-4.7
INDUSTRIAL	343	161	338	-53.1	109.9	145	225	211	55.2	-6.2
MECHANICAL	200	188	224	-6.0	19.1	355	520	478	46.5	-8.1
METALLURGICAL/MATERIALS	128	145	117	13.3	-19.3	439	420	459	-4.3	9.3
MINING	27	41	27	51.9	-34.1	26	30	33	15.4	10.0
NUCLEAR	109	103	68	-5.5	-34.0	74	90	90	21.6	.0
PETROLEUM	43	68	47	58.1	-30.9	22	31	48	40.9	54.8
ENGINEERING, NEC.	101	104	98	3.0	-5.8	142	138	170	-2.8	23.2
PHYSICAL SCIENCES	1,314	1,336	1,418	1.7	6.1	2,156	2,221	2,331	3.0	5.0
ASTRONOMY	58	69	69	19.0	.0	83	76	72	-8.4	-5.3
CHEMISTRY	731	707	704	-3.3	-.4	911	981	1,044	7.7	6.4
PHYSICS	525	560	645	6.7	15.2	1,162	1,164	1,215	.2	4.4
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	341	346	409	1.5	18.2	590	623	610	5.6	-2.1
ATMOSPHERIC SCIENCES	10	12	11	20.0	-8.3	52	46	43	-11.5	-6.5
GEOSCIENCES	298	292	365	-2.0	25.0	410	461	446	12.4	-3.3
OCEANOGRAPHY	33	37	26	12.1	-29.7	123	115	113	-6.5	-1.7
ENVIRONMENTAL SCIENCES, NEC.	0	5	7	**	40.0	5	1	8	-80.0	700.0
MATHEMATICAL SCIENCES	640	658	715	2.8	8.7	458	489	515	6.8	5.3
COMPUTER SCIENCE	90	88	105	-2.2	19.3	185	193	217	4.3	12.4
MATHEMATICS AND APPLIED MATHEMATICS	488	516	549	5.7	6.4	210	228	210	8.6	-7.9
STATISTICS	62	54	61	-12.9	13.0	63	68	88	7.9	29.4
LIFE SCIENCES	5,540	5,367	6,004	-3.1	11.9	1,076	1,290	1,223	19.9	-5.2
AGRICULTURAL SCIENCES	110	99	99	-10.0	.0	130	129	121	-.8	-6.2
BIOLOGICAL SCIENCES	4,114	3,920	4,016	-4.7	2.4	825	1,066	985	29.2	-7.6
ANATOMY	177	163	167	-7.9	14.7	11	15	13	36.4	-13.3
BIOCHEMISTRY	625	608	592	-2.7	-2.6	158	227	204	43.7	-10.1
BIOLOGY	1,111	1,004	1,067	-9.6	6.3	194	288	232	48.5	-19.4
BIOMETRY/EPIDEMIOLOGY	106	75	85	-29.2	13.3	6	11	10	83.3	-9.1
BIOPHYSICS	253	240	238	-5.1	-.8	53	56	53	5.7	-5.4
BOTANY	39	38	37	-2.6	-2.6	37	37	37	.0	.0
CELL BIOLOGY	169	167	173	-1.2	3.6	19	9	16	-52.6	77.8
ECOLOGY	17	18	17	5.9	-5.6	21	26	12	23.8	-53.8
ENTOMOLOGY/PARASITOLOGY	31	21	14	-32.3	-33.3	17	23	16	35.3	-30.4
GENETICS	137	110	162	-19.7	47.3	5	3	4	-40.0	33.3
MICROBIOLOGY	393	453	452	15.3	-.2	88	90	86	2.3	-4.4
NUTRITION	202	177	206	-12.4	16.4	99	131	147	32.3	12.2
PATHOLOGY	168	174	146	3.6	-16.1	25	29	11	16.0	-62.1
PHARMACOLOGY	290	305	314	5.2	3.0	33	59	72	78.8	22.0
PHYSIOLOGY	283	268	252	-5.3	-6.0	39	41	53	5.1	29.3
ZOOLOGY	35	21	25	-40.0	19.0	17	16	13	-5.9	-18.8
BIOSCIENCES, NEC.	78	78	49	.0	-37.2	3	5	6	66.7	20.0
HEALTH SCIENCES	1,316	1,348	1,889	2.4	40.1	121	95	117	-21.5	23.2
ANESTHESIOLOGY	41	0	0	-100.0	**	0	0	0	**	**
CARDIOLOGY	1	0	1	-100.0	**	0	0	0	**	**
CLINICAL PHARMACOLOGY	0	0	8	**	**	0	0	0	**	**
DENTISTRY	86	58	31	-32.6	-46.6	1	11	9	1000.0	-18.2
ENDOCRINOLOGY	1	1	0	.0	-100.0	0	0	0	**	**
GASTROENTEROLOGY	0	0	0	**	**	0	0	0	**	**
HEMATOLOGY	0	0	0	**	**	0	0	4	**	**
NEUROLOGY	129	126	77	-2.3	-38.9	18	12	17	-33.3	41.7
NURSING	255	493	1,090	93.3	121.1	3	2	8	-33.3	300.0
OBSTETRICS/GYNECOLOGY	5	10	11	100.0	10.0	0	1	1	**	.0
OPHTHALMOLOGY	18	4	1	-77.8	-75.0	0	0	0	**	**
OTORHINOLARYNGOLOGY	3	3	2	.0	-33.3	2	4	3	100.0	-25.0
PEDIATRICS	34	31	25	-8.8	-19.4	0	0	0	**	**
PHARMACEUTICAL SCIENCES	21	9	6	-57.1	-33.3	6	2	8	-66.7	300.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	298	241	256	-19.1	6.2	42	13	17	-69.0	30.8
PSYCHIATRY	45	35	30	-22.2	-14.3	0	0	0	**	**
PULMONARY DISEASE	2	0	10	-100.0	**	0	0	0	**	**
RADIOLOGY	5	2	4	-60.0	100.0	2	10	0	400.0	-100.0
SPEECH PATHOLOGY/AUDIOLOGY	122	131	116	7.4	-11.5	20	1	8	-95.0	700.0
SURGERY	18	18	9	.0	-50.0	0	7	7	**	.0
VETERINARY SCIENCES	17	14	12	-17.6	-14.3	20	26	31	30.0	19.2
CLINICAL MEDICINE, NEC.	66	61	73	-7.6	19.7	0	0	0	**	**
HEALTH RELATED, NEC.	149	111	127	-25.5	14.4	7	6	4	-14.3	-33.3
PSYCHOLOGY	1,669	1,595	1,625	-4.4	1.9	461	426	525	-7.6	23.2
SOCIAL SCIENCES	4,386	4,249	4,531	-3.1	6.6	915	891	862	-2.6	-3.3
AGRICULTURAL ECONOMICS	15	16	15	6.7	-6.3	48	36	40	-25.0	11.1
ANTHROPOLOGY	517	492	435	-4.8	-11.6	93	66	68	-29.0	3.0
ECONOMICS (EXCEPT AGRICULTURAL)	1,063	1,081	1,146	1.7	6.0	237	225	250	-5.1	11.1
GEOGRAPHY	89	71	63	-20.2	-11.3	16	26	23	62.5	-11.5
HISTORY AND PHILOSOPHY OF SCIENCE	70	65	53	-7.1	-18.5	0	4	10	**	150.0
LINGUISTICS	213	182	180	-14.6	-1.1	53	73	60	37.7	-17.8
POLITICAL SCIENCE	1,124	1,057	1,194	-6.0	13.0	209	209	165	.0	-21.1
SOCIOLOGY	862	842	791	-2.3	-6.1	180	203	193	12.8	-4.9
SOCIOLOGY/ANTHROPOLOGY	82	75	71	-8.5	-5.3	33	17	14	-48.5	-17.6
SOCIAL SCIENCES, NEC.	351	368	583	4.8	58.4	46	32	39	-30.4	21.9

CONTINUED ON NEXT PAGE

TABLE B-3b. FULL-TIME GRADUATE STUDENTS IN PRIVATELY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1975-77

- CONTINUED

FIELD OF SCIENCE	TEACHING ASSISTANTSHIPS					OTHER TYPES OF SUPPORT				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	9,049	9,188	9,178	1.5	-0.1	22,979	23,678	24,175	3.0	2.1
ENGINEERING	1,423	1,425	1,479	.1	3.8	4,872	4,396	4,257	-9.8	-3.2
AERONAUTICAL	48	56	49	16.7	-12.5	87	76	93	-12.6	22.4
AGRICULTURAL	6	7	5	16.7	-28.6	10	6	8	-40.0	33.3
BIOMEDICAL	32	30	30	-6.3	.0	155	145	138	-6.5	-4.8
CHEMICAL	159	167	174	5.0	4.2	254	261	281	2.8	7.7
CIVIL	196	213	247	8.7	16.0	936	669	649	-28.5	-3.0
ELECTRICAL	479	442	416	-7.7	-5.9	914	939	985	2.7	4.9
ENGINEERING SCIENCE	61	60	58	-1.6	-3.3	49	55	69	12.2	25.5
INDUSTRIAL	106	145	147	36.8	1.4	1,409	1,347	1,041	-4.4	-22.7
MECHANICAL	189	161	194	-14.8	20.5	417	440	474	5.5	7.7
METALLURGICAL/MATERIALS	68	66	74	-2.9	12.1	72	73	87	1.4	19.2
MINING	6	7	7	16.7	.0	18	10	14	-44.4	40.0
NUCLEAR	37	31	30	-16.2	-3.2	72	43	66	-40.3	53.5
PETROLEUM	4	6	7	50.0	16.7	20	24	16	20.0	-33.3
ENGINEERING, NEC.	32	34	41	6.3	20.6	459	308	336	-32.9	9.1
PHYSICAL SCIENCES	2,364	2,396	2,274	1.4	-5.1	546	526	522	-3.7	-.8
ASTRONOMY	31	24	23	-22.6	-4.2	12	14	14	16.7	.0
CHEMISTRY	1,371	1,420	1,374	3.6	-3.2	256	219	271	-14.5	23.7
PHYSICS	962	952	877	-1.0	-7.9	278	293	237	5.4	-19.1
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	249	303	299	21.7	-1.3	591	521	446	-11.8	-14.4
ATMOSPHERIC SCIENCES	2	2	2	.0	.0	9	4	4	-55.6	.0
GEOSCIENCES	228	267	259	17.1	-3.0	373	325	268	-12.9	-17.5
OCEANOGRAPHY	15	31	30	106.7	-3.2	209	191	172	-8.6	-9.9
ENVIRONMENTAL SCIENCES, NEC.	4	3	8	-25.0	166.7	0	1	2	**	100.0
MATHEMATICAL SCIENCES	1,128	1,149	1,037	1.9	-9.7	814	759	787	-6.8	3.7
COMPUTER SCIENCE	131	148	94	13.0	-36.5	287	264	328	-8.0	24.2
MATHEMATICS AND APPLIED MATHEMATICS	930	925	897	-.5	-3.0	451	431	411	-4.4	-4.6
STATISTICS	67	76	46	13.4	-39.5	76	64	48	-15.8	-25.0
LIFE SCIENCES	1,620	1,608	1,648	-.7	2.5	3,977	4,255	4,513	7.0	6.1
AGRICULTURAL SCIENCES	29	36	39	24.1	8.3	51	57	57	11.8	.0
BIOLOGICAL SCIENCES	1,436	1,434	1,456	-.1	1.5	2,405	2,404	2,503	*	4.1
ANATOMY	48	59	39	22.9	-33.9	93	101	109	8.6	7.9
BIOCHEMISTRY	92	48	69	-47.8	43.8	140	123	170	-12.1	38.2
BIOLOGY	800	889	866	11.1	-2.6	1,024	847	785	-17.3	-7.3
BIOMETRY/EPIDEMIOLOGY	3	4	11	33.3	175.0	51	68	92	33.3	35.3
BIOPHYSICS	0	3	3	**	.0	8	20	14	150.0	-30.0
BOTANY	66	62	69	-6.1	11.3	32	34	38	6.3	11.8
CELL BIOLOGY	37	7	7	-81.1	.0	33	14	7	-57.6	-50.0
ECOLOGY	28	30	31	7.1	3.3	63	10	24	-84.1	140.0
ENTOMOLOGY/PARASITOLOGY	9	5	10	-44.4	100.0	16	14	17	-12.5	21.4
GENETICS	8	9	12	12.5	33.3	25	35	34	40.0	-2.9
MICROBIOLOGY	95	100	108	5.3	8.0	153	170	187	11.1	10.0
NUTRITION	45	30	48	-33.3	60.0	137	209	217	52.6	3.8
PATHOLOGY	6	4	10	-33.3	150.0	88	128	171	45.5	33.6
PHARMACOLOGY	38	36	18	-5.3	-50.0	80	104	159	30.0	52.9
PHYSIOLOGY	41	45	40	9.8	-11.1	174	202	194	16.1	-4.0
ZOOLOGY	90	78	85	-13.3	9.0	44	62	37	40.9	-40.3
BIOSCIENCES, NEC.	30	25	30	-16.7	20.0	244	263	248	7.8	-5.7
HEALTH SCIENCES	155	138	153	-11.0	10.9	1,521	1,794	1,953	17.9	8.9
ANESTHESIOLOGY	0	0	0	**	**	0	0	0	**	**
CARDIOLOGY	0	0	0	**	**	1	0	0	-100.0	**
CLINICAL PHARMACOLOGY	0	0	0	**	**	0	0	3	**	**
DENTISTRY	17	14	22	-17.6	57.1	305	241	380	-21.0	57.7
ENDOCRINOLOGY	0	0	0	**	**	0	0	0	**	**
GASTROENTEROLOGY	0	0	0	**	**	0	0	0	**	**
HEMATOLOGY	0	0	0	**	**	0	0	2	**	**
NEUROLOGY	31	16	14	-48.4	-12.5	11	12	43	9.1	258.3
NURSING	1	1	10	.0	900.0	28	243	202	767.9	-16.9
OBSTETRICS/GYNECOLOGY	0	0	0	**	**	2	1	0	-50.0	-100.0
OPHTHALMOLOGY	0	0	0	**	**	0	0	0	**	**
OTORHINOLARYNGOLOGY	0	0	0	**	**	7	7	18	.0	157.1
PEDIATRICS	0	0	0	**	**	3	6	6	100.0	.0
PHARMACEUTICAL SCIENCES	84	90	79	7.1	-12.2	114	37	75	-67.5	102.7
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	0	1	0	**	-100	389	489	477	25.7	-2.5
PSYCHIATRY	0	0	0	**	**	48	53	38	10.4	-28.3
PULMONARY DISEASE	0	0	2	**	**	0	0	0	**	**
RADIOLOGY	0	0	0	**	**	11	1	7	-90.9	600.0
SPEECH PATHOLOGY/AUDIOLOGY	17	9	18	-47.1	100.0	303	284	245	-6.3	-13.7
SURGERY	0	1	0	**	-100.0	2	1	2	-50.0	100.0
VETERINARY SCIENCES	2	3	5	50.0	66.7	7	9	11	28.6	22.2
CLINICAL MEDICINE, NEC.	2	0	0	-100.0	**	134	138	204	3.0	47.8
HEALTH RELATED, NEC.	1	3	3	200.0	.0	156	272	240	74.4	-11.8
PSYCHOLOGY	761	779	808	2.4	3.7	3,390	4,748	4,775	40.1	.6
SOCIAL SCIENCES	1,504	1,528	1,633	1.6	6.9	8,789	8,473	8,875	-3.6	4.7
AGRICULTURAL ECONOMICS	4	13	12	225.0	-7.7	22	15	12	-31.8	-20.0
ANTHROPOLOGY	180	136	131	-24.4	-3.7	601	597	713	-.7	19.4
ECONOMICS (EXCEPT AGRICULTURAL)	394	392	482	-.5	23.0	1,518	969	1,142	-36.2	17.9
GEOGRAPHY	50	49	59	-2.0	20.4	108	104	82	-3.7	-21.2
HISTORY AND PHILOSOPHY OF SCIENCE	19	26	24	36.8	-7.7	43	40	35	-7.0	-12.5
LINGUISTICS	171	194	218	13.5	12.4	607	599	362	-1.3	-39.6
POLITICAL SCIENCE	327	370	350	13.1	-5.4	3,502	3,339	3,471	-4.7	4.0
SOCIOLOGY	230	259	272	12.6	5.0	1,065	1,214	1,169	14.0	-3.7
SOCIOLOGY/ANTHROPOLOGY	51	56	54	9.8	-3.6	92	118	126	28.3	6.8
SOCIAL SCIENCES, NEC.	78	33	31	-57.7	-6.1	1,231	1,478	1,763	20.1	19.3

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-39. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL:															
TOTAL, ALL SOURCES.......	210660	213843	218226	1.5	2.0	153489	155760	158040	1.5	1.5	57,171	58,083	60,186	1.6	3.6
FEDERAL, TOTAL............	48,210	48,524	50,308	.7	3.7	33,834	34,201	34,983	1.1	2.3	14,376	14,323	15,325	-.4	7.0
DEPT OF DEFENSE.........	5,087	4,809	5,025	-5.5	4.5	3,580	3,454	3,559	-3.5	3.0	1,507	1,355	1,466	-10.1	8.2
DEPT OF HEW, TOTAL......	20,965	20,472	21,068	-2.4	2.9	14,464	14,184	14,390	-1.9	1.5	6,501	6,288	6,678	-3.3	6.2
NIH.................	12,314	11,445	11,080	-7.1	-3.2	7,835	7,290	7,005	-7.0	-3.9	4,479	4,155	4,075	-7.2	-1.9
OTHER HEW............	8,651	9,027	9,988	4.3	10.6	6,629	6,894	7,385	4.0	7.1	2,022	2,133	2,603	5.5	22.0
NSF.....................	8,801	8,997	9,054	2.2	.6	5,386	5,489	5,644	1.9	2.8	3,415	3,508	3,410	2.7	-2.8
ALL OTHER FEDERAL.......	13,357	14,246	15,161	6.7	6.4	10,404	11,074	11,390	6.4	2.9	2,953	3,172	3,771	7.4	18.9
INSTITUTIONAL SUPPORT....	77,125	79,330	80,508	2.9	1.5	59,301	60,880	61,611	2.7	1.2	17,824	18,450	18,897	3.5	2.4
OTHER OUTSIDE SUPPORT, TOTAL.............	16,866	17,689	18,441	4.9	4.3	11,462	11,918	12,225	4.0	2.6	5,404	5,77[illegible]	6,216	6.8	7.7
ALL OTHER U.S. SOURCES.	11,444	11,370	11,497	-.6	1.1	8,074	7,879	7,821	-2.4	-.7	3,370	3,491	3,676	3.6	5.3
FOREIGN SOURCES........	5,422	6,319	6,944	16.5	9.9	3,388	4,039	4,404	19.2	9.0	2,034	2,280	2,540	12.1	11.4
SELF-SUPPORT.............	68,459	68,300	68,969	-.2	1.0	48,892	48,761	49,221	-.3	.9	19,567	19,539	19,748	-.1	1.1
FELLOWSHIPS AND TRAINEESHIPS:															
TOTAL, ALL SOURCES.......	39,013	37,764	39,414	-3.4	4.5	22,753	21,938	22,389	-3.6	2.1	16,260	15,766	17,025	-3.0	8.0
FEDERAL, TOTAL............	20,370	19,018	19,745	-6.6	3.8	13,286	12,494	12,577	-6.0	.7	7,084	6,524	7,168	-7.9	9.9
DEPT OF DEFENSE.........	515	449	491	-12.8	9.4	344	338	321	-1.7	-5.0	171	111	170	-35.1	53.2
DEPT OF HEW, TOTAL......	15,208	14,255	14,879	-6.3	4.4	10,080	9,501	9,694	-5.7	2.0	5,128	4,754	5,185	-7.3	9.1
NIH.................	7,904	6,585	6,385	-16.7	-3.0	4,543	3,697	3,444	-18.6	-6.8	3,361	2,888	2,941	-14.1	1.8
OTHER HEW............	7,304	7,670	8,494	5.0	10.7	5,537	5,804	6,250	4.8	7.7	1,767	1,866	2,244	5.6	20.3
NSF.....................	1,798	1,796	1,832	-.1	2.0	769	754	765	-2.0	1.5	1,029	1,042	1,067	1.3	2.4
ALL OTHER FEDERAL.......	2,849	2,518	2,543	-11.6	1.0	2,093	1,901	1,797	-9.2	-5.5	756	617	746	-18.4	20.9
INSTITUTIONAL SUPPORT....	11,479	11,420	11,899	-.5	4.2	5,647	5,465	5,434	-3.2	-.6	5,832	5,955	6,465	2.1	8.6
OTHER OUTSIDE SUPPORT, TOTAL.............	7,164	7,266	7,770	1.4	6.9	3,820	3,979	4,378	4.2	10.0	3,344	3,287	3,392	-1.7	3.2
ALL OTHER U.S. SOURCES.	4,123	3,957	3,980	-4.0	.6	2,207	2,139	2,199	-3.1	2.8	1,916	1,818	1,781	-5.1	-2.0
FOREIGN SOURCES........	3,041	3,309	3,790	8.8	14.5	1,613	1,840	2,179	14.1	18.4	1,428	1,469	1,611	2.9	9.7
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RESEARCH ASSISTANTSHIPS:															
TOTAL, ALL SOURCES.......	40,201	42,809	43,991	6.5	2.8	31,318	33,358	34,183	6.5	2.5	8,883	9,451	9,808	6.4	3.8
FEDERAL, TOTAL............	23,104	24,460	25,155	5.9	2.8	16,678	17,722	18,290	6.3	3.2	6,426	6,738	6,865	4.9	1.9
DEPT OF DEFENSE.........	2,501	2,546	2,643	1.8	3.8	1,485	1,518	1,582	2.2	4.2	1,016	1,028	1,061	1.2	3.2
DEPT OF HEW, TOTAL......	4,769	5,376	5,265	12.7	-2.1	3,564	4,038	3,995	13.3	-1.1	1,205	1,338	1,270	11.0	-5.1
NIH.................	3,902	4,473	4,320	14.6	-3.4	2,886	3,303	3,266	14.4	-1.1	1,016	1,170	1,054	15.2	-9.9
OTHER HEW............	867	903	945	4.2	4.7	678	735	729	8.4	-.8	189	168	216	-11.1	28.6
NSF.....................	6,824	7,040	7,043	3.2	*	4,492	4,617	4,719	2.8	2.2	2,332	2,423	2,324	3.9	-4.1
ALL OTHER FEDERAL.......	9,010	9,498	10,204	5.4	7.4	7,137	7,549	7,994	5.8	5.9	1,873	1,949	2,210	4.1	13.4
INSTITUTIONAL SUPPORT....	12,923	13,914	14,208	7.7	2.1	11,271	12,060	12,338	7.0	2.3	1,652	1,854	1,870	12.2	.9
OTHER OUTSIDE SUPPORT, TOTAL.............	4,174	4,435	4,628	6.3	4.4	3,369	3,576	3,555	6.1	-.6	805	859	1,073	6.7	24.9
ALL OTHER U.S. SOURCES.	3,933	4,139	4,292	5.2	3.7	3,163	3,343	3,282	5.7	-1.8	770	796	1,010	3.4	26.9
FOREIGN SOURCES........	241	296	336	22.8	13.5	206	233	273	13.1	17.2	35	63	63	80.0	.0
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**

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TABLE B-39. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

- CONTINUED

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TEACHING ASSISTANTSHIPS:															
TOTAL, ALL SOURCES........	47,560	48,566	48,837	2.1	0.6	38,511	39,378	39,659	2.3	0.7	9,049	9,188	9,178	1.5	-0.1
FEDERAL, TOTAL............	555	572	606	3.1	5.9	458	471	449	2.8	-4.7	97	101	157	4.1	55.4
DEPT OF DEFENSE.........	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
DEPT OF HEW, TOTAL......	347	308	304	-11.2	-1.3	292	262	239	-10.3	-8.8	55	46	65	-16.4	41.3
NIH..................	165	154	130	-6.7	-15.6	146	126	98	-13.7	-22.2	19	28	32	47.4	14.3
OTHER HEW............	182	154	174	-15.4	13.0	146	136	141	-6.8	3.7	36	18	33	-50.0	83.3
NSF.....................	52	44	35	-15.4	-20.5	39	35	29	-10.3	-17.1	13	9	6	-30.8	-33.3
ALL OTHER FEDERAL.......	156	220	267	41.0	21.4	127	174	181	37.0	4.0	29	46	86	58.6	87.0
INSTITUTIONAL SUPPORT....	46,834	47,690	47,923	1.8	.5	37,919	38,659	38,959	2.0	.8	8,915	9,031	8,964	1.3	-.7
OTHER OUTSIDE SUPPORT, TOTAL.............	171	304	308	77.8	1.3	134	248	251	85.1	1.2	37	56	57	51.4	1.8
ALL OTHER U.S. SOURCES.	171	304	308	77.8	1.3	134	248	251	85.1	1.2	37	56	57	51.4	1.8
FOREIGN SOURCES.........	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
SELF-SUPPORT..............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
OTHER TYPES OF SUPPORT:															
TOTAL, ALL SOURCES........	83,886	84,764	85,984	1.0	1.4	60,907	61,086	61,809	.3	1.2	22,979	23,678	24,175	3.0	2.1
FEDERAL, TOTAL............	4,181	4,474	4,802	7.0	7.3	3,412	3,514	3,667	3.0	4.4	769	960	1,135	24.8	18.2
DEPT OF DEFENSE.........	2,071	1,814	1,891	-12.4	4.2	1,751	1,598	1,656	-8.7	3.6	320	216	235	-32.5	8.8
DEPT OF HEW, TOTAL......	641	533	620	-16.8	16.3	528	383	462	-27.5	20.6	113	150	158	32.7	5.3
NIH..................	343	233	245	-32.1	5.2	260	164	197	-36.9	20.1	83	69	48	-16.9	-30.4
OTHER HEW............	298	300	375	.7	25.0	268	219	265	-18.3	21.0	30	81	110	170.0	35.8
NSF.....................	127	117	144	-7.9	23.1	86	83	131	-3.5	57.8	41	34	13	-17.1	-61.8
ALL OTHER FEDERAL.......	1,342	2,010	2,147	49.8	6.8	1,047	1,450	1,418	38.5	-2.2	295	560	729	89.8	30.2
INSTITUTIONAL SUPPORT....	5,889	6,306	6,478	7.1	2.7	4,464	4,696	4,880	5.2	3.9	1,425	1,610	1,598	13.0	-.7
OTHER OUTSIDE SUPPORT, TOTAL.............	5,357	5,684	5,735	6.1	.9	4,139	4,115	4,041	-.6	-1.8	1,218	1,569	1,694	28.8	8.0
ALL OTHER U.S. SOURCES.	3,217	2,970	2,917	-7.7	-1.8	2,570	2,149	2,089	-16.4	-2.8	647	821	828	26.9	.9
FOREIGN SOURCES.........	2,140	2,714	2,818	26.8	3.8	1,569	1,966	1,952	25.3	-.7	571	748	866	31.0	15.8
SELF-SUPPORT..............	68,459	68,300	68,969	-.2	1.0	48,892	48,761	49,221	-.3	.9	19,567	19,539	19,748	-.1	1.1

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-40. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL:															
TOTAL, ALL SOURCES	79,314	78,067	80,397	-1.6	3.0	59,070	57,385	58,952	-2.9	2.7	20,244	20,682	21,445	2.2	3.7
FEDERAL, TOTAL	13,661	13,557	14,814	-.8	9.3	10,288	10,099	10,577	-1.8	4.7	3,373	3,458	4,237	2.5	22.5
DEPT OF DEFENSE	1,747	1,516	1,749	-13.2	15.4	1,362	1,214	1,330	-10.9	9.6	385	302	419	-21.6	38.7
DEPT OF HEW, TOTAL	6,211	6,288	6,745	1.2	7.3	4,640	4,647	4,810	.2	3.5	1,571	1,641	1,935	4.5	17.9
NIH	2,395	2,025	2,050	-15.4	1.2	1,570	1,282	1,292	-18.3	.8	825	743	758	-9.9	2.0
OTHER HEW	3,816	4,263	4,695	11.7	10.1	3,070	3,365	3,518	9.6	4.5	746	898	1,177	20.4	31.1
NSF	1,709	1,625	1,690	-4.9	4.0	1,061	961	1,068	-9.4	11.1	648	664	622	2.5	-6.3
ALL OTHER FEDERAL	3,994	4,128	4,630	3.4	12.2	3,225	3,277	3,369	1.6	2.8	769	851	1,261	10.7	48.2
INSTITUTIONAL SUPPORT	28,167	28,134	28,979	-.1	3.0	21,253	21,108	22,005	-.7	4.2	6,914	7,026	6,974	1.6	-.7
OTHER OUTSIDE SUPPORT, TOTAL	6,040	6,096	6,290	.9	3.2	4,145	3,996	4,043	-3.6	1.2	1,895	2,100	2,247	10.8	7.0
ALL OTHER U.S. SOURCES	3,649	3,450	3,470	-5.5	.6	2,649	2,328	2,294	-12.1	-1.5	1,000	1,122	1,176	12.2	4.8
FOREIGN SOURCES	2,391	2,646	2,820	10.7	6.6	1,496	1,668	1,749	11.5	4.9	895	978	1,071	9.3	9.5
SELF-SUPPORT	31,446	30,280	30,314	-3.7	.1	23,384	22,182	22,327	-5.1	.7	8,062	8,098	7,987	.4	-1.4
FELLOWSHIPS AND TRAINEESHIPS:															
TOTAL, ALL SOURCES	14,605	13,875	15,030	-5.0	8.3	8,815	8,157	8,669	-7.5	6.3	5,790	5,718	6,361	-1.2	11.2
FEDERAL, TOTAL	7,013	6,651	7,396	-5.2	11.2	5,020	4,700	5,001	-6.4	6.4	1,993	1,951	2,395	-2.1	22.8
DEPT OF DEFENSE	218	186	241	-14.7	29.6	163	152	133	-6.7	-12.5	55	34	108	-38.2	217.6
DEPT OF HEW, TOTAL	5,032	5,097	5,632	1.3	10.5	3,689	3,676	3,927	-.4	6.8	1,343	1,421	1,705	5.8	20.0
NIH	1,611	1,275	1,412	-20.9	10.7	951	689	768	-27.5	11.5	660	586	644	-11.2	9.9
OTHER HEW	3,421	3,822	4,220	11.7	10.4	2,738	2,987	3,159	9.1	5.8	683	835	1,061	22.3	27.1
NSF	542	505	515	-6.8	2.0	241	190	213	-21.2	12.1	301	315	302	4.7	-4.1
ALL OTHER FEDERAL	1,221	863	1,008	-29.3	16.8	927	682	728	-26.4	6.7	294	181	280	-38.4	54.7
INSTITUTIONAL SUPPORT	4,952	4,692	4,920	-5.3	4.9	2,335	2,098	2,160	-10.1	3.0	2,617	2,594	2,760	-.9	6.4
OTHER OUTSIDE SUPPORT, TOTAL	2,640	2,532	2,714	-4.1	7.2	1,460	1,359	1,508	-6.9	11.0	1,180	1,173	1,206	-.6	2.8
ALL OTHER U.S. SOURCES	1,351	1,229	1,190	-9.0	-3.2	750	636	639	-15.2	.5	601	593	551	-1.3	-7.1
FOREIGN SOURCES	1,289	1,303	1,524	1.1	17.0	710	723	869	1.8	20.2	579	580	655	.2	12.9
SELF-SUPPORT	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RESEARCH ASSISTANTSHIPS:															
TOTAL, ALL SOURCES	10,431	10,751	11,168	3.1	3.9	8,626	8,816	9,084	2.2	3.0	1,805	1,935	2,084	7.2	7.7
FEDERAL, TOTAL	4,648	4,820	4,983	3.7	3.4	3,627	3,743	3,827	3.2	2.2	1,021	1,077	1,156	5.5	7.3
DEPT OF DEFENSE	463	506	564	9.3	11.5	299	343	357	14.7	4.1	164	163	207	-.6	27.0
DEPT OF HEW, TOTAL	844	886	774	5.0	-12.6	663	715	627	7.8	-12.3	181	171	147	-5.5	-14.0
NIH	649	651	553	.3	-15.1	514	511	451	-.6	-11.7	135	140	102	3.7	-27.1
OTHER HEW	195	235	221	20.5	-6.0	149	204	176	36.9	-13.7	46	31	45	-32.6	45.2
NSF	1,114	1,084	1,139	-2.7	5.1	785	739	819	-5.9	10.8	329	345	320	4.9	-7.2
ALL OTHER FEDERAL	2,227	2,344	2,506	5.3	6.9	1,880	1,946	2,024	3.5	4.0	347	398	482	14.7	21.1
INSTITUTIONAL SUPPORT	4,522	4,695	4,902	3.8	4.4	3,939	4,023	4,240	2.1	5.4	583	672	662	15.3	-1.5
OTHER OUTSIDE SUPPORT, TOTAL	1,261	1,236	1,283	-2.0	3.8	1,060	1,050	1,017	-.9	-3.1	201	186	266	-7.5	43.0
ALL OTHER U.S. SOURCES	1,165	1,138	1,175	-2.3	3.3	982	967	928	-1.5	-4.0	183	171	247	-6.6	44.4
FOREIGN SOURCES	96	98	108	2.1	10.2	78	83	89	6.4	7.2	18	15	19	-16.7	26.7
SELF-SUPPORT	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**

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TABLE B-40. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

- CONTINUED

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TEACHING ASSISTANTSHIPS:															
TOTAL, ALL SOURCES	16,661	16,819	17,078	0.9	1.5	13,559	13,688	14,074	1.0	2.8	3,102	3,131	3,004	0.9	-4.1
FEDERAL, TOTAL	176	208	189	18.2	-9.1	156	187	153	19.9	-18.2	20	21	36	5.0	71.4
DEPT OF DEFENSE	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
DEPT OF HEW, TOTAL	132	111	95	-15.9	-14.4	115	101	75	-12.2	-25.7	17	10	20	-41.2	100.0
NIH	50	34	25	-32.0	-26.5	43	32	21	-25.6	-34.4	7	2	4	-71.4	100.0
OTHER HEW	82	77	70	-6.1	-9.1	72	69	54	-4.2	-21.7	10	8	16	-20.0	100.0
NSF	14	7	14	-50.0	100.0	11	5	14	-54.5	180.0	3	2	0	-33.3	-100.0
ALL OTHER FEDERAL	30	90	80	200.0	-11.1	30	81	64	170.0	-21.0	0	9	16	**	77.8
INSTITUTIONAL SUPPORT	16,428	16,506	16,765	.5	1.6	13,359	13,406	13,821	.4	3.1	3,069	3,100	2,944	1.0	-5.0
OTHER OUTSIDE SUPPORT, TOTAL	57	105	124	84.2	18.1	44	95	100	115.9	5.3	13	10	24	-23.1	140.0
ALL OTHER U.S. SOURCES	57	105	124	84.2	18.1	44	95	100	115.9	5.3	13	10	24	-23.1	140.0
FOREIGN SOURCES	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
SELF-SUPPORT	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
OTHER TYPES OF SUPPORT:															
TOTAL, ALL SOURCES	37,617	36,622	37,121	-2.6	1.4	28,070	26,724	27,125	-4.8	1.5	9,547	9,898	9,996	3.7	1.0
FEDERAL, TOTAL	1,824	1,878	2,246	3.0	19.6	1,485	1,469	1,596	-1.1	8.6	339	409	650	20.6	58.9
DEPT OF DEFENSE	1,066	824	944	-22.7	14.6	900	719	840	-20.1	16.8	166	105	104	-36.7	-1.0
DEPT OF HEW, TOTAL	203	194	244	-4.4	25.8	173	155	181	-10.4	16.8	30	39	63	30.0	61.5
NIH	85	65	60	-23.5	-7.7	62	50	52	-19.4	4.0	23	15	8	-34.8	-46.7
OTHER HEW	118	129	184	9.3	42.6	111	105	129	-5.4	22.9	7	24	55	242.9	129.2
NSF	39	29	22	-25.6	-24.1	24	27	22	12.5	-18.5	15	2	0	-86.7	-100.0
ALL OTHER FEDERAL	516	831	1,036	61.0	24.7	386	568	553	46.4	-2.6	128	263	483	105.5	83.7
INSTITUTIONAL SUPPORT	2,265	2,241	2,392	-1.1	6.7	1,620	1,581	1,784	-2.4	12.8	645	660	608	2.3	-7.9
OTHER OUTSIDE SUPPORT, TOTAL	2,082	2,223	2,169	6.8	-2.4	1,581	1,492	1,418	-5.6	-5.0	501	731	751	45.9	2.7
ALL OTHER U.S. SOURCES	1,076	978	981	-9.1	.3	873	630	627	-27.8	-.5	203	348	354	71.4	1.7
FOREIGN SOURCES	1,006	1,245	1,188	23.8	-4.6	708	862	791	21.8	-8.2	298	383	397	28.5	3.7
SELF-SUPPORT	31,446	30,280	30,314	-3.7	.1	23,384	22,182	22,327	-5.1	.7	8,062	8,098	7,987	.4	-1.4

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-41. FULL-TIME GRADUATE STUDENTS BEYOND FIRST YEAR IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL:															
TOTAL, ALL SOURCES.......	131346	135776	137829	3.4	1.5	94,419	98,375	99,088	4.2	0.7	36,927	37,401	38,741	1.3	3.6
FEDERAL, TOTAL............	34,549	34,967	35,494	1.2	1.5	23,546	24,102	24,406	2.4	1.3	11,003	10,865	11,088	-1.3	2.1
DEPT OF DEFENSE........	3,340	3,293	3,276	-1.4	-.5	2,218	2,240	2,229	1.0	-.5	1,122	1,053	1,047	-6.1	-.6
DEPT OF HEW, TOTAL.....	14,754	14,184	14,323	-3.9	1.0	9,824	9,537	9,580	-2.9	.5	4,930	4,647	4,743	-5.7	2.1
NIH...................	9,919	9,420	9,030	-5.0	-4.1	6,265	6,008	5,713	-4.1	-4.9	3,654	3,412	3,317	-6.6	-2.8
OTHER HEW............	4,835	4,764	5,293	-1.5	11.1	3,559	3,529	3,867	-.8	9.6	1,276	1,235	1,426	-3.2	15.5
NSF....................	7,092	7,372	7,364	3.9	-.1	4,325	4,528	4,576	4.7	1.1	2,767	2,844	2,788	2.8	-2.0
ALL OTHER FEDERAL......	9,363	10,118	10,531	8.1	4.1	7,179	7,797	8,021	8.6	2.9	2,184	2,321	2,510	6.3	8.1
INSTITUTIONAL SUPPORT....	48,958	51,196	51,529	4.6	.7	38,048	39,772	39,606	4.5	-.4	10,910	11,424	11,923	4.7	4.4
OTHER OUTSIDE SUPPORT, TOTAL..............	10,826	11,593	12,151	7.1	4.8	7,317	7,922	8,182	8.3	3.3	3,509	3,671	3,969	4.6	8.1
ALL OTHER U.S. SOURCES.	7,795	7,920	8,027	1.6	1.4	5,425	5,551	5,527	2.3	-.4	2,370	2,369	2,500	*	5.5
FOREIGN SOURCES........	3,031	3,673	4,124	21.2	12.3	1,892	2,371	2,655	25.3	12.0	1,139	1,302	1,469	14.3	12.8
SELF-SUPPORT.............	37,013	38,020	38,655	2.7	1.7	25,508	26,579	26,894	4.2	1.2	11,505	11,441	11,761	-.6	2.8
FELLOWSHIPS AND TRAINEESHIPS:															
TOTAL, ALL SOURCES.......	24,408	23,829	24,384	-2.4	2.3	13,938	13,781	13,720	-1.1	-.4	10,470	10,048	10,664	-4.0	6.1
FEDERAL, TOTAL............	13,357	12,367	12,349	-7.4	-.1	8,266	7,794	7,576	-5.7	-2.8	5,091	4,573	4,773	-10.2	4.4
DEPT OF DEFENSE........	297	263	250	-11.4	-4.9	181	186	188	2.8	1.1	116	77	62	-33.6	-19.5
DEPT OF HEW, TOTAL.....	10,176	9,158	9,247	-10.0	1.0	6,391	5,825	5,767	-8.9	-1.0	3,785	3,333	3,480	-11.9	4.4
NIH...................	6,293	5,310	4,973	-15.6	-6.3	3,592	3,008	2,676	-16.3	-11.0	2,701	2,302	2,297	-14.8	-.2
OTHER HEW............	3,883	3,848	4,274	-.9	11.1	2,799	2,817	3,091	.6	9.7	1,084	1,031	1,183	-4.9	14.7
NSF....................	1,256	1,291	1,317	2.8	2.0	528	564	552	6.8	-2.1	728	727	765	-.1	5.2
ALL OTHER FEDERAL......	1,628	1,655	1,535	1.7	-7.3	1,166	1,219	1,069	4.5	-12.3	462	436	466	-5.6	6.9
INSTITUTIONAL SUPPORT....	6,527	6,728	6,979	3.1	3.7	3,312	3,367	3,274	1.7	-2.8	3,215	3,361	3,705	4.5	10.2
OTHER OUTSIDE SUPPORT, TOTAL..............	4,524	4,734	5,056	4.6	6.8	2,360	2,620	2,870	11.0	9.5	2,164	2,114	2,186	-2.3	3.4
ALL OTHER U.S. SOURCES.	2,772	2,728	2,790	-1.6	2.3	1,457	1,503	1,560	3.2	3.8	1,315	1,225	1,230	-6.8	.4
FOREIGN SOURCES........	1,752	2,006	2,266	14.5	13.0	903	1,117	1,310	23.7	17.3	849	889	956	4.7	7.5
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RESEARCH ASSISTANTSHIPS:															
TOTAL, ALL SOURCES.......	29,770	32,058	32,823	7.7	2.4	22,692	24,542	25,099	8.2	2.3	7,078	7,516	7,724	6.2	2.8
FEDERAL, TOTAL............	18,456	19,640	20,172	6.4	2.7	13,051	13,979	14,463	7.1	3.5	5,405	5,661	5,709	4.7	.8
DEPT OF DEFENSE........	2,038	2,040	2,079	.1	1.9	1,186	1,175	1,225	-.9	4.3	852	865	854	1.5	-1.3
DEPT OF HEW, TOTAL.....	3,925	4,490	4,491	14.4	*	2,901	3,323	3,368	14.5	1.4	1,024	1,167	1,123	14.0	-3.8
NIH...................	3,253	3,822	3,767	17.5	-1.4	2,372	2,792	2,815	17.7	.8	881	1,030	952	16.9	-7.6
OTHER HEW............	672	668	724	-.6	8.4	529	531	553	.4	4.1	143	137	171	-4.2	24.8
NSF....................	5,710	5,956	5,904	4.3	-.9	3,707	3,878	3,900	4.6	.6	2,003	2,078	2,004	3.7	-3.6
ALL OTHER FEDERAL	6,783	7,154	7,698	5.5	7.6	5,257	5,603	5,970	6.6	6.6	1,526	1,551	1,728	1.6	11.4
INSTITUTIONAL SUPPORT....	8,401	9,219	9,306	9.7	.9	7,332	8,037	8,098	9.6	.8	1,069	1,182	1,208	10.6	2.2
OTHER OUTSIDE SUPPORT, TOTAL..............	2,913	3,199	3,345	9.8	4.6	2,309	2,526	2,538	9.4	.5	604	673	807	11.4	19.9
ALL OTHER U.S. SOURCES.	2,768	3,001	3,117	8.4	3.9	2,181	2,376	2,354	8.9	-.9	587	625	763	6.5	22.1
FOREIGN SOURCES........	145	198	228	36.6	15.2	128	150	184	17.2	22.7	17	48	44	182.4	-8.3
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**

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TABLE B-41. FULL-TIME GRADUATE STUDENTS BEYOND FIRST YEAR IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

- CONTINUED

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TEACHING ASSISTANTSHIPS:															
TOTAL, ALL SOURCES	30,899	31,747	31,759	2.7	*	24,952	25,690	25,585	3.0	-0.4	5,947	6,057	6,174	1.8	1.9
FEDERAL, TOTAL	379	364	417	-4.0	14.6	302	284	296	-6.0	4.2	77	80	121	3.9	51.2
DEPT OF DEFENSE	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
DEPT OF HEW, TOTAL	215	197	209	-8.4	6.1	177	161	164	-9.0	1.9	38	36	45	-5.3	25.0
NIH	115	120	105	4.3	-12.5	103	94	77	-8.7	-18.1	12	26	28	116.7	7.7
OTHER HEW	100	77	104	-22.0	35.1	74	67	87	-9.5	29.9	26	10	17	-61.5	70.0
NSF	38	37	21	-2.6	-43.2	28	30	15	7.1	-50.0	10	7	6	-30.0	-14.3
ALL OTHER FEDERAL	126	130	187	3.2	43.8	97	93	117	-4.1	25.8	29	37	70	27.6	89.2
INSTITUTIONAL SUPPORT	30,406	31,184	31,158	2.6	-.1	24,560	25,253	25,138	2.8	-.5	5,846	5,931	6,020	1.5	1.5
OTHER OUTSIDE SUPPORT, TOTAL	114	199	184	74.6	-7.5	90	153	151	70.0	-1.3	24	46	33	91.7	-28.3
ALL OTHER U.S. SOURCES	114	199	184	74.6	-7.5	90	153	151	70.0	-1.3	24	46	33	91.7	-28.3
FOREIGN SOURCES	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
SELF-SUPPORT	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
OTHER TYPES OF SUPPORT:															
TOTAL, ALL SOURCES	46,269	48,142	48,863	4.0	1.5	32,837	34,362	34,684	4.6	.9	13,432	13,780	14,179	2.6	2.9
FEDERAL, TOTAL	2,357	2,596	2,556	10.1	-1.5	1,927	2,045	2,071	6.1	1.3	430	551	485	28.1	-12.0
DEPT OF DEFENSE	1,005	990	947	-1.5	-4.3	851	879	816	3.3	-7.2	154	111	131	-27.9	18.0
DEPT OF HEW, TOTAL	438	339	376	-22.6	10.9	355	228	281	-35.8	23.2	83	111	95	33.7	-14.4
NIH	258	168	185	-34.9	10.1	198	114	145	-42.4	27.2	60	54	40	-10.0	-25.9
OTHER HEW	180	171	191	-5.0	11.7	157	114	136	-27.4	19.3	23	57	55	147.8	-3.5
NSF	88	88	122	.0	38.6	62	56	109	-9.7	94.6	26	32	13	23.1	-59.4
ALL OTHER FEDERAL	826	1,179	1,111	42.7	-5.8	659	882	865	33.8	-1.9	167	297	246	77.8	-17.2
INSTITUTIONAL SUPPORT	3,624	4,065	4,086	12.2	.5	2,844	3,115	3,096	9.5	-.6	780	950	990	21.8	4.2
OTHER OUTSIDE SUPPORT, TOTAL	3,275	3,461	3,566	5.7	3.0	2,558	2,623	2,623	2.5	.0	717	838	943	16.9	12.5
ALL OTHER U.S. SOURCES	2,141	1,992	1,936	-7.0	-2.8	1,697	1,519	1,462	-10.5	-3.8	444	473	474	6.5	.2
FOREIGN SOURCES	1,134	1,469	1,630	29.5	11.0	861	1,104	1,161	28.2	5.2	273	365	469	33.7	28.5
SELF-SUPPORT	37,013	38,020	38,655	2.7	1.7	25,508	26,579	26,894	4.2	1.2	11,505	11,441	11,761	-.6	2.8

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-42. FULL-TIME GRADUATE STUDENTS IN ENGINEERING GRADUATE DEPARTMENTS AT ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL:															
TOTAL, ALL SOURCES	37,660	36,838	37,816	-2.2	2.7	25,768	25,291	26,015	-1.9	2.9	11,892	11,547	11,801	-2.9	2.2
FEDERAL, TOTAL	10,391	10,517	10,750	1.2	2.2	6,963	6,925	7,114	-.5	2.7	3,428	3,592	3,636	4.8	1.2
DEPT OF DEFENSE	2,936	2,662	2,829	-9.1	6.3	2,090	1,908	1,961	-8.7	2.8	840	754	868	-10.2	15.1
DEPT OF HEW, TOTAL	1,025	1,045	973	2.0	-6.9	613	614	602	.2	-2.0	412	431	371	4.6	-13.9
NIH	709	680	549	-4.1	-19.3	360	306	251	-15.0	-18.0	349	374	298	7.2	-20.3
OTHER HEW	316	365	424	15.5	16.2	253	308	351	21.7	14.0	63	57	73	-9.5	28.1
NSF	2,575	2,573	2,535	-.1	-1.5	1,523	1,485	1,511	-2.5	1.8	1,052	1,088	1,024	3.4	-5.9
ALL OTHER FEDERAL	3,861	4,237	4,413	9.7	4.2	2,737	2,918	3,040	6.6	4.2	1,124	1,319	1,373	17.3	4.1
INSTITUTIONAL SUPPORT	10,377	10,606	10,726	2.2	1.1	7,552	7,676	7,844	1.6	2.2	2,825	2,930	2,882	3.7	-1.6
OTHER OUTSIDE SUPPORT, TOTAL	4,604	4,977	5,314	8.1	6.8	2,652	2,823	2,921	6.4	3.5	1,952	2,154	2,393	10.3	11.1
ALL OTHER U.S. SOURCES	3,085	3,185	3,320	3.2	4.2	1,979	1,959	1,927	-1.0	-1.6	1,106	1,226	1,393	10.8	13.6
FOREIGN SOURCES	1,519	1,792	1,994	18.0	11.3	673	864	994	28.4	15.0	846	928	1,000	9.7	7.8
SELF-SUPPORT	12,288	10,738	11,026	-12.6	2.7	8,601	7,867	8,136	-8.5	3.4	3,687	2,871	2,890	-22.1	.7
FELLOWSHIPS AND TRAINEESHIPS:															
TOTAL, ALL SOURCES	4,764	4,700	4,775	-1.3	1.6	2,394	2,485	2,452	3.8	-1.3	2,370	2,215	2,323	-6.5	4.9
FEDERAL, TOTAL	1,723	1,574	1,561	-8.6	-.8	1,066	1,059	936	-.7	-11.6	657	515	625	-21.6	21.4
DEPT OF DEFENSE	173	135	165	-22.0	22.2	119	105	87	-11.8	-17.1	54	30	78	-44.4	160.0
DEPT OF HEW, TOTAL	516	525	534	1.7	1.7	308	322	356	4.5	10.6	208	203	178	-2.4	-12.3
NIH	315	243	185	-22.9	-23.9	139	75	67	-46.0	-10.7	176	168	118	-4.5	-29.8
OTHER HEW	201	282	349	40.3	23.8	169	247	289	46.2	17.0	32	35	60	9.4	71.4
NSF	353	390	378	10.5	-3.1	177	201	189	13.6	-6.0	176	189	189	7.4	.0
ALL OTHER FEDERAL	681	524	484	-23.1	-7.6	462	431	304	-6.7	-29.5	219	93	180	-57.5	93.5
INSTITUTIONAL SUPPORT	1,342	1,426	1,286	6.3	-9.8	604	610	518	1.0	-15.1	738	816	768	10.6	-5.9
OTHER OUTSIDE SUPPORT, TOTAL	1,699	1,700	1,928	.1	13.4	724	816	998	12.7	22.3	975	884	930	-9.3	5.2
ALL OTHER U.S. SOURCES	965	900	983	-6.7	9.2	466	433	499	-7.1	15.2	499	467	484	-6.4	3.6
FOREIGN SOURCES	734	800	945	9.0	18.1	258	383	499	48.4	30.3	476	417	446	-12.4	7.0
SELF-SUPPORT	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RESEARCH ASSISTANTSHIPS:															
TOTAL, ALL SOURCES	11,009	11,404	11,939	3.6	4.7	7,782	7,893	8,197	1.4	3.9	3,227	3,511	3,742	8.8	6.6
FEDERAL, TOTAL	6,919	7,198	7,559	4.0	5.0	4,465	4,553	4,828	2.0	6.0	2,454	2,645	2,731	7.8	3.3
DEPT OF DEFENSE	1,475	1,486	1,549	.7	4.2	852	862	865	1.2	.3	623	624	684	.2	9.6
DEPT OF HEW, TOTAL	479	496	407	3.5	-17.9	286	275	229	-3.8	-16.7	193	221	178	14.5	-19.5
NIH	379	425	347	12.1	-18.4	214	221	180	3.3	-18.6	165	204	167	23.6	-18.1
OTHER HEW	100	71	60	-29.0	-15.5	72	54	49	-25.0	-9.3	28	17	11	-39.3	-35.3
NSF	2,173	2,148	2,124	-1.2	-1.1	1,315	1,259	1,295	-4.3	2.9	858	889	829	3.6	-6.7
ALL OTHER FEDERAL	2,792	3,068	3,479	9.9	13.4	2,012	2,157	2,439	7.2	13.1	780	911	1,040	16.8	14.2
INSTITUTIONAL SUPPORT	2,632	2,665	2,731	1.3	2.5	2,257	2,239	2,322	-.8	3.7	375	426	409	13.6	-4.0
OTHER OUTSIDE SUPPORT, TOTAL	1,458	1,541	1,649	5.7	7.0	1,060	1,101	1,047	3.9	-4.9	398	440	602	10.6	36.8
ALL OTHER U.S. SOURCES	1,390	1,486	1,583	6.9	6.5	1,012	1,070	1,011	5.7	-5.5	378	416	572	10.1	37.5
FOREIGN SOURCES	68	55	66	-19.1	20.0	48	31	36	-35.4	16.1	20	24	30	20.0	25.0
SELF-SUPPORT	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**

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TABLE B-42. FULL-TIME GRADUATE STUDENTS IN ENGINEERING GRADUATE DEPARTMENTS AT ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

- CONTINUED

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TEACHING ASSISTANTSHIPS:															
TOTAL, ALL SOURCES.......	5,436	5,653	5,879	4.0	4.0	4,013	4,228	4,400	5.4	4.1	1,423	1,425	1,479	0.1	3.8
FEDERAL, TOTAL...........	38	58	53	52.6	-8.6	31	44	35	41.9	-20.5	7	14	18	100.0	28.6
DEPT OF DEFENSE.........	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
DEPT OF HEW, TOTAL.....	3	5	17	66.7	240.0	2	5	7	150.0	40.0	1	0	10	-100.0	**
NIH..................	3	4	12	33.3	200.0	2	4	2	100.0	-50.0	1	0	10	-100.0	**
OTHER HEW............	0	1	5	**	400.0	0	1	5	**	400.0	0	0	0	**	**
NSF.....................	18	11	11	-38.9	.0	16	10	10	-37.5	.0	2	1	1	-50.0	.0
ALL OTHER FEDERAL......	17	42	25	147.1	-40.5	13	29	18	123.1	-37.9	4	13	7	225.0	-46.2
INSTITUTIONAL SUPPORT....	5,370	5,524	5,762	2.9	4.3	3,959	4,128	4,321	4.3	4.7	1,411	1,396	1,441	-1.1	3.2
OTHER OUTSIDE SUPPORT, TOTAL............	28	71	64	153.6	-9.9	23	56	44	143.5	-21.4	5	15	20	200.0	33.3
ALL OTHER U.S. SOURCES.	28	71	64	153.6	-9.9	23	56	44	143.5	-21.4	5	15	20	200.0	33.3
FOREIGN SOURCES........	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
SELF-SUPPORT............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
OTHER TYPES OF SUPPORT:															
TOTAL, ALL SOURCES.......	16,451	15,081	15,223	-8.3	.9	11,579	10,685	10,966	-7.7	2.6	4,872	4,396	4,257	-9.8	-3.2
FEDERAL, TOTAL...........	1,711	1,687	1,577	-1.4	-6.5	1,401	1,269	1,215	-9.4	3.6	310	418	262	34.8	-37.3
DEPT OF DEFENSE.........	1,282	1,041	1,115	-18.8	7.1	1,119	941	1,009	-15.9	7.2	163	100	106	-38.7	6.0
DEPT OF HEW, TOTAL.....	27	19	15	-29.6	-21.1	17	12	10	-29.4	-16.7	10	7	5	-30.0	-28.6
NIH..................	12	8	5	-33.3	-37.5	5	6	2	20.0	-66.7	7	2	3	-71.4	50.0
OTHER HEW............	15	11	10	-26.7	-9.1	12	6	8	-50.0	33.3	3	5	2	66.7	-60.0
NSF.....................	31	24	22	-22.6	-8.3	15	15	17	.0	13.3	16	9	5	-43.8	-44.4
ALL OTHER FEDERAL......	371	603	425	62.5	-29.5	250	301	279	20.4	-7.3	121	302	146	149.6	-51.7
INSTITUTIONAL SUPPORT....	1,033	991	947	-4.1	-4.4	732	699	683	-4.5	-2.3	301	292	264	-3.0	-9.6
OTHER OUTSIDE SUPPORT, TOTAL............	1,419	1,665	1,673	17.3	.5	845	850	832	.6	-2.1	574	815	841	42.0	3.2
ALL OTHER U.S. SOURCES.	702	728	690	3.7	-5.2	478	400	373	-16.3	-6.7	224	328	317	46.4	-3.4
FOREIGN SOURCES........	717	937	983	30.7	4.9	367	450	459	22.6	2.0	350	487	524	39.1	7.6
SELF-SUPPORT............	12,288	10,738	11,026	-12.6	2.7	8,601	7,867	8,136	-8.5	3.4	3,687	2,871	2,890	-22.1	.7

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-43. FULL-TIME GRADUATE STUDENTS IN PHYSICAL SCIENCE GRADUATE DEPARTMENTS AT ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL:															
TOTAL, ALL SOURCES.......	21,285	21,612	21,721	1.5	0.5	14,905	15,133	15,176	1.5	0.3	6,380	6,479	6,545	1.6	1.0
FEDERAL, TOTAL............	6,264	6,439	6,598	2.8	2.5	3,973	4,124	4,210	3.8	2.1	2,291	2,315	2,388	1.0	3.2
DEPT OF DEFENSE.........	606	567	642	-6.4	13.2	380	362	449	-4.7	24.0	226	205	193	-9.3	-5.9
DEPT OF HEW, TOTAL.....	1,272	1,350	1,320	6.1	-2.2	823	895	869	8.7	-2.9	449	455	451	1.3	-.9
NIH.................	1,210	1,245	1,209	2.9	-2.9	777	820	798	5.5	-2.7	433	425	411	-1.8	-3.3
OTHER HEW............	62	105	111	69.4	5.7	46	75	71	63.0	-5.3	16	30	40	87.5	33.3
NSF....................	2,577	2,747	2,730	6.6	-.6	1,559	1,658	1,653	6.4	-.3	1,018	1,089	1,077	7.0	-1.1
ALL OTHER FEDERAL......	1,809	1,775	1,906	-1.9	7.4	1,211	1,209	1,239	-.2	2.5	598	566	667	-5.4	17.8
INSTITUTIONAL SUPPORT....	11,998	12,161	12,197	1.4	.3	8,762	8,830	8,935	.8	1.2	3,236	3,331	3,262	2.9	-2.1
OTHER OUTSIDE SUPPORT, TOTAL............	1,188	1,323	1,352	11.4	2.2	758	842	863	11.1	2.5	430	481	489	11.9	1.7
ALL OTHER U.S. SOURCES.	915	952	955	4.0	.3	593	606	631	2.2	4.1	322	346	324	7.5	-6.4
FOREIGN SOURCES.........	273	371	397	35.9	7.0	165	236	232	43.0	-1.7	108	135	165	25.0	22.2
SELF-SUPPORT.............	1,835	1,689	1,574	-8.0	-6.8	1,412	1,337	1,168	-5.3	-12.6	423	352	406	-16.8	15.3
FELLOWSHIPS AND TRAINEESHIPS:															
TOTAL, ALL SOURCES.......	2,287	2,344	2,518	2.5	7.4	973	1,008	1,100	3.6	9.1	1,314	1,336	1,418	1.7	6.1
FEDERAL, TOTAL............	557	528	544	-5.2	3.0	240	194	199	-19.2	2.6	317	334	345	5.4	3.3
DEPT OF DEFENSE.........	8	10	17	25.0	70.0	5	7	13	40.0	85.7	3	3	4	.0	33.3
DEPT OF HEW, TOTAL.....	237	194	184	-18.1	-5.2	116	87	81	-25.0	-6.9	121	107	103	-11.6	-3.7
NIH.................	228	169	168	-25.9	-.6	110	65	70	-40.9	7.7	118	104	98	-11.9	-5.8
OTHER HEW............	9	25	16	177.8	-36.0	6	22	11	266.7	-50.0	3	3	5	.0	66.7
NSF....................	272	280	295	2.9	5.4	98	87	80	-11.2	-8.0	174	193	215	10.9	11.4
ALL OTHER FEDERAL......	40	44	48	10.0	9.1	21	13	25	-38.1	92.3	19	31	23	63.2	-25.8
INSTITUTIONAL SUPPORT....	1,150	1,141	1,208	-.8	5.9	430	444	447	3.3	.7	720	697	761	-3.2	9.2
OTHER OUTSIDE SUPPORT, TOTAL............	580	675	766	16.4	13.5	303	370	454	22.1	22.7	277	305	312	10.1	2.3
ALL OTHER U.S. SOURCES.	403	436	493	8.2	13.1	211	219	309	3.8	41.1	192	217	184	13.0	-15.2
FOREIGN SOURCES.........	177	239	273	35.0	14.2	92	151	145	64.1	-4.0	85	88	128	3.5	45.5
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RESEARCH ASSISTANTSHIPS:															
TOTAL, ALL SOURCES.......	6,414	6,776	6,763	5.6	-.2	4,258	4,555	4,432	7.0	-2.7	2,156	2,221	2,331	3.0	5.0
FEDERAL, TOTAL............	5,489	5,686	5,729	3.6	.8	3,555	3,745	3,717	5.3	-.7	1,934	1,941	2,012	.4	3.7
DEPT OF DEFENSE.........	472	447	489	-5.3	9.4	262	251	308	-4.2	22.7	210	196	181	-6.7	-7.7
DEPT OF HEW, TOTAL.....	1,009	1,128	1,067	11.8	-5.4	689	785	736	13.9	-6.2	320	343	331	7.2	-3.5
NIH.................	959	1,052	988	9.7	-6.1	650	736	685	13.2	-6.9	309	316	303	2.3	-4.1
OTHER HEW............	50	76	79	52.0	3.9	39	49	51	25.6	4.1	11	27	28	145.5	3.7
NSF....................	2,293	2,442	2,383	6.5	-2.4	1,450	1,558	1,522	7.4	-2.3	843	884	861	4.9	-2.6
ALL OTHER FEDERAL......	1,715	1,669	1,790	-2.7	7.2	1,154	1,151	1,151	-.3	.0	561	518	639	-7.7	23.4
INSTITUTIONAL SUPPORT....	543	664	631	22.3	-5.0	418	488	432	16.7	-11.5	125	176	199	40.8	13.1
OTHER OUTSIDE SUPPORT, TOTAL............	382	426	403	11.5	-5.4	285	322	283	13.0	-12.1	97	104	120	7.2	15.4
ALL OTHER U.S. SOURCES.	372	407	379	9.4	-6.9	279	317	269	13.6	-15.1	93	90	110	-3.2	22.2
FOREIGN SOURCES.........	10	19	24	90.0	26.3	6	5	14	-16.7	180.0	4	14	10	250.0	-28.6
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**

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TABLE B-43. FULL-TIME GRADUATE STUDENTS IN PHYSICAL SCIENCE GRADUATE DEPARTMENTS AT ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

- CONTINUED

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TEACHING ASSISTANTSHIPS:															
TOTAL, ALL SOURCES	10,169	10,177	10,116	0.1	-0.6	7,805	7,781	7,842	-0.3	0.8	2,364	2,396	2,274	1.4	-5.1
FEDERAL, TOTAL	35	30	33	-14.3	10.0	22	25	16	13.6	-36.0	13	5	17	-61.5	240.0
DEPT OF DEFENSE	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
DEPT OF HEW, TOTAL	16	12	22	-25.0	83.3	9	12	6	33.3	-50.0	7	0	16	-100.0	**
NIH	15	8	15	-46.7	87.5	9	8	5	-11.1	-37.5	6	0	10	-100.0	**
OTHER HEW	1	4	7	300.0	75.0	0	4	1	**	-75.0	1	0	6	-100.0	**
NSF	4	6	4	50.0	-33.3	3	3	4	.0	33.3	1	3	0	200.0	-100.0
ALL OTHER FEDERAL	15	12	7	-20.0	-41.7	10	10	6	.0	-40.0	5	2	1	-60.0	-50.0
INSTITUTIONAL SUPPORT	10,122	10,138	10,069	.2	-.7	7,776	7,749	7,818	-.3	.9	2,346	2,389	2,251	1.8	-5.8
OTHER OUTSIDE SUPPORT, TOTAL	12	9	14	-25.0	55.6	7	7	8	.0	14.3	5	2	6	-60.0	200.0
ALL OTHER U.S. SOURCES	12	9	14	-25.0	55.6	7	7	8	.0	14.3	5	2	6	-60.0	200.0
FOREIGN SOURCES	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
SELF-SUPPORT	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
OTHER TYPES OF SUPPORT:															
TOTAL, ALL SOURCES	2,415	2,315	2,324	-4.1	.4	1,869	1,789	1,802	-4.3	.7	546	526	522	-3.7	-.8
FEDERAL, TOTAL	183	195	292	6.6	49.7	156	160	278	2.6	73.7	27	35	14	29.6	-60.0
DEPT OF DEFENSE	126	110	136	-12.7	23.6	113	104	128	-8.0	23.1	13	6	8	-53.8	33.3
DEPT OF HEW, TOTAL	10	16	47	60.0	193.8	9	11	46	22.2	318.2	1	5	1	400.0	-80.0
NIH	8	16	38	100.0	137.5	8	11	38	37.5	245.5	0	5	0	**	-100.0
OTHER HEW	2	0	9	-100.0	**	1	0	8	-100.0	**	1	0	1	-100.0	**
NSF	8	19	48	137.5	152.6	8	10	47	25.0	370.0	0	9	1	**	-88.9
ALL OTHER FEDERAL	39	50	61	28.2	22.0	26	35	57	34.6	62.9	13	15	4	15.4	-73.3
INSTITUTIONAL SUPPORT	183	218	289	19.1	32.6	138	149	230	8.0	59.7	45	69	51	53.3	-26.1
OTHER OUTSIDE SUPPORT, TOTAL	214	213	169	-.5	-20.7	163	143	118	-12.3	-17.5	51	70	51	37.3	-27.1
ALL OTHER U.S. SOURCES	128	100	69	-21.9	-31.0	96	63	45	-34.4	-28.6	32	37	24	15.6	-35.1
FOREIGN SOURCES	86	113	100	31.4	-11.5	67	80	73	19.4	-8.7	19	33	27	73.7	-18.2
SELF-SUPPORT	1,835	1,689	1,574	-8.0	-6.8	1,412	1,337	1,168	-5.3	-12.6	423	352	406	-16.8	15.3

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-44. FULL-TIME GRADUATE STUDENTS IN ENVIRONMENTAL SCIENCE GRADUATE DEPARTMENTS AT ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL:															
TOTAL, ALL SOURCES.......	8,472	8,934	9,234	5.5	3.4	6,701	7,141	7,470	6.6	4.6	1,771	1,793	1,764	1.2	-1.6
FEDERAL, TOTAL............	2,627	2,834	2,996	7.9	5.7	1,937	2,116	2,304	9.2	8.9	690	718	692	4.1	-3.6
DEPT OF DEFENSE.........	451	431	381	-4.4	-11.6	303	293	274	-3.3	-6.5	148	138	107	-6.8	-22.5
DEPT OF HEW, TOTAL.....	83	128	194	54.2	51.6	73	113	166	54.8	46.9	10	15	28	50.0	86.7
NIH..................	30	33	52	10.0	57.6	21	25	48	19.0	92.0	9	8	4	-11.1	-50.0
OTHER HEW............	53	95	142	79.2	49.5	52	68	118	69.2	34.1	1	7	24	600.0	242.9
NSF.......................	1,158	1,181	1,206	2.0	2.1	828	835	857	.8	2.6	330	346	349	4.8	.9
ALL OTHER FEDERAL......	935	1,094	1,215	17.0	11.1	733	875	1,007	19.4	15.1	202	219	208	8.4	-5.0
INSTITUTIONAL SUPPORT....	3,079	3,281	3,373	6.6	2.8	2,579	2,750	2,810	6.6	2.2	500	531	563	6.2	6.0
OTHER OUTSIDE SUPPORT, TOTAL.............	692	712	711	2.9	-.1	505	540	526	6.9	-2.6	187	172	185	-8.0	7.6
ALL OTHER U.S. SOURCES.	439	410	389	-6.6	-5.1	325	315	283	-3.1	-10.2	114	95	106	-16.7	11.6
FOREIGN SOURCES........	253	302	322	19.4	6.6	180	225	243	25.0	8.0	73	77	79	5.5	2.6
SELF-SUPPORT.............	2,074	2,107	2,154	1.6	2.2	1,680	1,735	1,830	3.3	5.5	394	372	324	-5.6	-12.9
FELLOWSHIPS AND TRAINEESHIPS:															
TOTAL, ALL SOURCES.......	849	935	1,103	10.1	18.0	508	589	694	15.9	17.8	341	346	409	1.5	18.2
FEDERAL, TOTAL............	260	321	381	23.5	18.7	187	228	283	21.9	24.1	73	93	98	27.4	5.4
DEPT OF DEFENSE.........	21	30	34	42.9	13.3	20	27	33	35.0	22.2	1	3	1	200.0	-66.7
DEPT OF HEW, TOTAL.....	51	98	145	92.2	48.0	44	85	119	93.2	40.0	7	13	26	85.7	100.0
NIH..................	16	21	32	31.3	52.4	10	15	28	50.0	86.7	6	6	4	.0	-33.3
OTHER HEW............	35	77	113	120.0	46.8	34	70	91	105.9	30.0	1	7	22	600.0	214.3
NSF.......................	118	126	124	6.8	-1.6	58	64	63	10.3	-1.6	60	62	61	3.3	-1.6
ALL OTHER FEDERAL......	70	67	78	-4.3	16.4	65	52	68	-20.0	30.8	5	15	10	200.0	-33.3
INSTITUTIONAL SUPPORT....	342	310	423	-9.4	36.5	171	157	218	-8.2	38.9	171	153	205	-10.5	34.0
OTHER OUTSIDE SUPPORT, TOTAL.............	247	304	299	23.1	-1.6	150	204	193	36.0	-5.4	97	100	106	3.1	6.0
ALL OTHER U.S. SOURCES.	156	149	134	-4.5	-10.1	91	88	68	-3.3	-22.7	65	61	66	-6.2	8.2
FOREIGN SOURCES........	91	155	165	70.3	6.5	59	116	125	96.6	7.8	32	39	40	21.9	2.6
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RESEARCH ASSISTANTSHIPS:															
TOTAL, ALL SOURCES.......	2,745	3,084	3,151	12.3	2.2	2,155	2,461	2,541	14.2	3.3	590	623	610	5.6	-2.1
FEDERAL, TOTAL............	2,031	2,229	2,285	9.7	2.5	1,513	1,683	1,751	11.2	4.0	518	546	534	5.4	-2.2
DEPT OF DEFENSE.........	191	208	196	8.9	-5.8	138	142	145	2.9	2.1	53	66	51	24.5	-22.7
DEPT OF HEW, TOTAL.....	28	29	28	3.6	-3.4	25	27	26	8.0	-3.7	3	2	2	-33.3	.0
NIH..................	13	12	7	-7.7	-41.7	10	10	7	.0	-30.0	3	2	0	-33.3	-100.0
OTHER HEW............	15	17	21	13.3	23.5	15	17	19	13.3	11.8	0	0	2	**	**
NSF.......................	1,026	1,043	1,059	1.7	1.5	756	759	772	.4	1.7	270	284	287	5.2	1.1
ALL OTHER FEDERAL......	786	949	1,002	20.7	5.6	594	755	808	27.1	7.0	192	194	194	1.0	.0
INSTITUTIONAL SUPPORT....	553	647	705	17.0	9.0	513	598	658	16.6	10.0	40	49	47	22.5	-4.1
OTHER OUTSIDE SUPPORT, TOTAL.............	161	208	161	29.2	-22.6	129	180	132	39.5	-26.7	32	28	29	-12.5	3.6
ALL OTHER U.S. SOURCES.	147	193	138	31.3	-28.5	116	165	114	42.2	-30.9	31	28	24	-9.7	-14.3
FOREIGN SOURCES........	14	15	23	7.1	53.3	13	15	18	15.4	20.0	1	0	5	-100.0	**
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**

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TABLE B-44. FULL-TIME GRADUATE STUDENTS IN ENVIRONMENTAL SCIENCE GRADUATE DEPARTMENTS AT ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

- CONTINUED

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TEACHING ASSISTANTSHIPS:															
TOTAL, ALL SOURCES.......	2,053	2,140	2,118	4.2	-1.0	1,804	1,837	1,819	1.8	-1.0	249	303	299	21.7	-1.3
FEDERAL, TOTAL...........	4	2	20	-50.0	900.0	4	2	16	-50.0	700.0	0	0	4	**	**
DEPT OF DEFENSE.........	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
DEPT OF HEW, TOTAL.....	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
NIH..................	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
OTHER HEW............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
NSF....................	2	1	2	-50.0	100.0	2	1	1	-50.0	.0	0	0	1	**	**
ALL OTHER FEDERAL......	2	1	18	-50.0	1700.0	2	1	15	-50.0	1400.0	0	0	3	**	**
INSTITUTIONAL SUPPORT....	2,039	2,134	2,091	4.7	-2.0	1,793	1,831	1,801	2.1	-1.6	246	303	290	23.2	-4.3
OTHER OUTSIDE SUPPORT, TOTAL.............	10	4	7	-60.0	75.0	7	4	2	-42.9	-50.0	3	0	5	-100.0	**
ALL OTHER U.S. SOURCES.	10	4	7	-60.0	75.0	7	4	2	-42.9	-50.0	3	0	5	-100.0	**
FOREIGN SOURCES........	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
OTHER TYPES OF SUPPORT:															
TOTAL, ALL SOURCES.......	2,825	2,775	2,862	-1.8	3.1	2,234	2,254	2,416	.9	7.2	591	521	446	-11.8	-14.4
FEDERAL, TOTAL...........	332	282	310	-15.1	9.9	233	203	254	-12.9	25.1	99	79	56	-20.2	-29.1
DEPT OF DEFENSE.........	239	193	151	-19.2	-21.8	145	124	96	-14.5	-22.6	94	69	55	-26.6	-20.3
DEPT OF HEW, TOTAL.....	4	1	21	-75.0	2000.0	4	1	21	-75.0	2000.0	0	0	0	**	**
NIH..................	1	0	13	-100.0	**	1	0	13	-100.0	**	0	0	0	**	**
OTHER HEW............	3	1	8	-66.7	700.0	3	1	8	-66.7	700.0	0	0	0	**	**
NSF....................	12	11	21	-8.3	90.9	12	11	21	-8.3	90.9	0	0	0	**	**
ALL OTHER FEDERAL......	77	77	117	.0	51.9	72	67	116	-6.9	73.1	5	10	1	100.0	-90.0
INSTITUTIONAL SUPPORT....	145	190	154	31.0	-18.9	102	164	133	60.8	-18.9	43	26	21	-39.5	-19.2
OTHER OUTSIDE SUPPORT, TOTAL.............	274	196	244	-28.5	24.5	219	152	199	-30.6	30.9	55	44	45	-20.0	2.3
ALL OTHER U.S. SOURCES.	126	64	110	-49.2	71.9	111	58	99	-47.7	70.7	15	6	11	-60.0	83.3
FOREIGN SOURCES........	148	132	134	-10.8	1.5	108	94	100	-13.0	6.4	40	38	34	-5.0	-10.5
SELF-SUPPORT.............	2,074	2,107	2,154	1.6	2.2	1,680	1,735	1,830	3.3	5.5	394	372	324	-5.6	-12.9

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-45. FULL-TIME GRADUATE STUDENTS IN MATHEMATICAL SCIENCE GRADUATE DEPARTMENTS AT ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL:															
TOTAL, ALL SOURCES.......	13,579	13,882	13,485	2.2	-2.9	10,539	10,827	10,431	2.7	-3.7	3,040	3,055	3,054	0.5	*
FEDERAL, TOTAL............	1,252	1,243	1,222	-.7	-1.7	748	721	732	-3.6	1.5	504	522	490	3.6	-6.1
DEPT OF DEFENSE..........	419	440	354	5.0	-19.5	300	302	224	.7	-25.8	119	138	130	16.0	-5.8
DEPT OF HEW, TOTAL.....	162	148	137	-8.6	-7.4	118	122	115	3.4	-5.7	44	26	22	-40.9	-15.4
NIH..................	131	130	117	-.8	-10.0	100	106	99	6.0	-6.6	31	24	18	-22.6	-25.0
OTHER HEW..............	31	18	20	-41.9	11.1	18	16	16	-11.1	.0	13	2	4	-84.6	100.0
NSF......................	481	458	510	-4.8	11.4	215	177	247	-17.7	39.5	266	281	263	5.6	-6.4
ALL OTHER FEDERAL......	190	197	221	3.7	12.2	115	120	146	4.3	21.7	75	77	75	2.7	-2.6
INSTITUTIONAL SUPPORT....	8,021	8,161	7,924	1.7	-2.9	6,360	6,527	6,308	2.6	-3.4	1,661	1,634	1,616	-1.6	-1.1
OTHER OUTSIDE SUPPORT, TOTAL.............	736	736	744	.0	1.1	396	425	386	7.3	-9.2	340	311	358	-8.5	15.1
ALL OTHER U.S. SOURCES.	364	338	399	-7.1	18.0	199	200	212	.5	6.0	165	138	187	-16.4	35.5
FOREIGN SOURCES........	372	398	345	7.0	-13.3	197	225	174	14.2	-22.7	175	173	171	-1.1	-1.2
SELF-SUPPORT.............	3,570	3,742	3,595	4.8	-3.9	3,035	3,154	3,005	3.9	-4.7	535	588	590	9.9	.3
FELLOWSHIPS AND TRAINEESHIPS:															
TOTAL, ALL SOURCES.......	1,269	1,249	1,239	-1.6	-.8	629	591	524	-6.0	-11.3	640	658	715	2.8	8.7
FEDERAL, TOTAL............	260	245	253	-5.8	3.3	117	107	115	-8.5	7.5	143	138	138	-3.5	.0
DEPT OF DEFENSE..........	16	18	17	12.5	-5.6	15	17	15	13.3	-11.8	1	1	2	.0	100.0
DEPT OF HEW, TOTAL.....	71	57	46	-19.7	-19.3	54	50	43	-7.4	-14.0	17	7	3	-58.8	-57.1
NIH..................	67	56	44	-16.4	-21.4	52	49	41	-5.8	-16.3	15	7	3	-53.3	-57.1
OTHER HEW..............	4	1	2	-75.0	100.0	2	1	2	-50.0	100.0	2	0	0	-100.0	**
NSF......................	153	149	149	-2.6	.0	38	26	26	-31.6	.0	115	123	123	7.0	.0
ALL OTHER FEDERAL......	20	21	41	5.0	95.2	10	14	31	40.0	121.4	10	7	10	-30.0	42.9
INSTITUTIONAL SUPPORT....	634	661	713	4.3	7.9	318	312	301	-1.9	-3.5	316	349	412	10.4	18.1
OTHER OUTSIDE SUPPORT, TOTAL.............	375	343	273	-8.5	-20.4	194	172	108	-11.3	-37.2	181	171	165	-5.5	-3.5
ALL OTHER U.S. SOURCES.	162	135	108	-16.7	-20.0	94	69	37	-26.6	-46.4	68	66	71	-2.9	7.6
FOREIGN SOURCES........	213	208	165	-2.3	-20.7	100	103	71	3.0	-31.1	113	105	94	-7.1	-10.5
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RESEARCH ASSISTANTSHIPS:															
TOTAL, ALL SOURCES.......	1,325	1,415	1,440	6.8	1.8	867	926	925	6.8	-.1	458	489	515	6.8	5.3
FEDERAL, TOTAL............	719	744	807	3.5	8.5	394	395	470	.3	19.0	325	349	337	7.4	-3.4
DEPT OF DEFENSE..........	204	233	240	14.2	3.0	102	111	119	8.8	7.2	102	122	121	19.6	-.8
DEPT OF HEW, TOTAL.....	77	77	76	.0	-1.3	54	66	61	22.2	-7.6	23	11	15	-52.2	36.4
NIH..................	59	65	65	10.2	.0	43	54	50	25.6	-7.4	16	11	15	-31.3	36.4
OTHER HEW..............	18	12	11	-33.3	-8.3	11	12	11	9.1	-8.3	7	0	0	-100.0	**
NSF......................	310	301	354	-2.9	17.6	161	143	214	-11.2	49.7	149	158	140	6.0	-11.4
ALL OTHER FEDERAL......	128	133	137	3.9	3.0	77	75	76	-2.6	1.3	51	58	61	13.7	5.2
INSTITUTIONAL SUPPORT....	541	591	506	9.2	-14.4	425	489	398	15.1	-18.6	116	102	108	-12.1	5.9
OTHER OUTSIDE SUPPORT, TOTAL.............	65	80	127	23.1	58.7	48	42	57	-12.5	35.7	17	38	70	123.5	84.2
ALL OTHER U.S. SOURCES.	62	77	120	24.2	55.8	46	42	56	-8.7	33.3	16	35	64	118.8	82.9
FOREIGN SOURCES........	3	3	7	.0	133.3	2	0	1	-100.0	**	1	3	6	200.0	100.0
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**

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TABLE B-45. FULL-TIME GRADUATE STUDENTS IN MATHEMATICAL SCIENCE GRADUATE DEPARTMENTS AT ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

- CONTINUED

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TEACHING ASSISTANTSHIPS:															
TOTAL, ALL SOURCES........	6,442	6,512	6,288	1.1	-3.4	5,314	5,363	5,251	0.9	-2.1	1,128	1,149	1,037	1.9	-9.7
FEDERAL, TOTAL............	18	20	8	11.1	-60.0	12	12	6	.0	-50.0	6	8	2	33.3	-75.0
DEPT OF DEFENSE.........	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
DEPT OF HEW, TOTAL......	5	6	3	20.0	-50.0	1	3	1	200.0	-66.7	4	3	2	-25.0	-33.3
NIH..................	1	4	1	300.0	-75.0	1	1	1	.0	.0	0	3	0	**	-100.0
OTHER HEW............	4	2	2	-50.0	.0	0	2	0	**	-100.0	4	0	2	-100.0	**
NSF......................	10	5	4	-50.0	-20.0	8	5	4	-37.5	-20.0	2	0	0	-100.0	**
ALL OTHER FEDERAL.......	3	9	1	200.0	-88.9	3	4	1	33.3	-75.0	0	5	0	**	-100.0
INSTITUTIONAL SUPPORT....	6,407	6,475	6,264	1.1	-3.3	5,291	5,346	5,236	1.0	-2.1	1,116	1,129	1,028	1.2	-8.9
OTHER OUTSIDE SUPPORT, TOTAL..............	17	17	16	.0	-5.9	11	5	9	-54.5	80.0	6	12	7	100.0	-41.7
ALL OTHER U.S. SOURCES.	17	17	16	.0	-5.9	11	5	9	-54.5	80.0	6	12	7	100.0	-41.7
FOREIGN SOURCES.........	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
SELF-SUPPORT..............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
OTHER TYPES OF SUPPORT:															
TOTAL, ALL SOURCES........	4,543	4,706	4,518	3.6	-4.0	3,729	3,947	3,731	5.8	-5.5	814	759	787	-6.8	3.7
FEDERAL, TOTAL............	255	234	154	-8.2	-34.2	225	207	141	-8.0	-31.9	30	27	13	-10.0	-51.9
DEPT OF DEFENSE.........	199	189	97	-5.0	-48.7	183	174	90	-4.9	-48.3	16	15	7	-6.3	-53.3
DEPT OF HEW, TOTAL......	9	8	12	-11.1	50.0	9	3	10	-66.7	233.3	0	5	2	**	-60.0
NIH..................	4	5	7	25.0	40.0	4	2	7	-50.0	250.0	0	3	0	**	-100.0
OTHER HEW............	5	3	5	-40.0	66.7	5	1	3	-80.0	200.0	0	2	2	**	.0
NSF......................	8	3	3	-62.5	.0	8	3	3	-62.5	.0	0	0	0	**	**
ALL OTHER FEDERAL.......	39	34	42	-12.8	23.5	25	27	38	8.0	40.7	14	7	4	-50.0	-42.9
INSTITUTIONAL SUPPORT....	439	434	441	-1.1	1.6	326	380	373	16.6	-1.8	113	54	68	-52.2	25.9
OTHER OUTSIDE SUPPORT, TOTAL..............	279	296	328	6.1	10.8	143	206	212	44.1	2.9	136	90	116	-33.8	28.9
ALL OTHER U.S. SOURCES.	123	109	155	-11.4	42.2	48	84	110	75.0	31.0	75	25	45	-66.7	80.0
FOREIGN SOURCES.........	156	187	173	19.9	-7.5	95	122	102	28.4	-16.4	61	65	71	6.6	9.2
SELF-SUPPORT..............	3,570	3,742	3,595	4.8	-3.9	3,035	3,154	3,005	3.9	-4.7	535	588	590	9.9	.3

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-46. FULL-TIME GRADUATE STUDENTS IN LIFE SCIENCE GRADUATE DEPARTMENTS AT ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL:															
TOTAL, ALL SOURCES.......	59,440	61,637	64,339	3.7	4.4	47,227	49,117	50,951	4.0	3.7	12,213	12,520	13,388	2.5	6.9
FEDERAL, TOTAL............	17,779	17,965	19,030	1.0	5.9	13,238	13,425	13,974	1.4	4.1	4,541	4,540	5,056	*	11.4
DEPT OF DEFENSE.........	292	299	347	2.4	16.1	217	246	276	13.4	12.2	75	53	71	-29.3	34.0
DEPT OF HEW, TOTAL.....	12,765	12,553	13,318	-1.7	6.1	8,846	8,694	9,015	-1.7	3.7	3,919	3,859	4,303	-1.5	11.5
NIH....................	8,140	7,519	7,456	-7.6	-.8	5,120	4,753	4,624	-7.2	-2.7	3,020	2,766	2,832	-8.4	2.4
OTHER HEW..............	4,625	5,034	5,862	8.8	16.4	3,726	3,941	4,391	5.8	11.4	899	1,093	1,471	21.6	34.6
NSF.....................	1,129	1,262	1,306	11.8	3.5	826	938	978	13.6	4.3	303	324	328	6.9	1.2
ALL OTHER FEDERAL......	3,593	3,851	4,059	7.2	5.4	3,349	3,547	3,705	5.9	4.5	244	304	354	24.6	16.4
INSTITUTIONAL SUPPORT....	19,792	20,789	21,584	5.0	3.8	16,358	17,267	17,797	5.6	3.1	3,434	3,522	3,787	2.6	7.5
OTHER OUTSIDE SUPPORT, TOTAL..............	4,827	5,247	5,460	8.7	4.1	4,102	4,426	4,509	7.9	1.9	725	821	951	13.2	15.8
ALL OTHER U.S. SOURCES.	3,105	3,209	3,223	3.3	.4	2,595	2,646	2,619	2.0	-1.0	510	563	604	10.4	7.3
FOREIGN SOURCES.........	1,722	2,038	2,237	18.4	9.8	1,507	1,780	1,890	18.1	6.2	215	258	347	20.0	34.5
SELF-SUPPORT.............	17,042	17,636	18,265	3.5	3.6	13,529	13,999	14,671	3.5	4.8	3,513	3,637	3,594	3.5	-1.2
FELLOWSHIPS AND TRAINEESHIPS:															
TOTAL, ALL SOURCES.......	16,226	15,450	16,577	-4.8	7.3	10,686	10,083	10,573	-5.6	4.9	5,540	5,367	6,004	-3.1	11.9
FEDERAL, TOTAL............	11,317	10,544	11,528	-6.8	9.3	7,620	7,035	7,435	-7.7	5.7	3,697	3,509	4,093	-5.1	16.6
DEPT OF DEFENSE.........	148	126	143	-14.9	13.5	89	92	96	3.4	4.3	59	34	47	-42.4	38.2
DEPT OF HEW, TOTAL.....	9,962	9,389	10,152	-5.8	8.1	6,634	6,218	6,477	-6.3	4.2	3,328	3,171	3,675	-4.7	15.9
NIH....................	5,730	4,770	4,744	-16.8	-.5	3,234	2,605	2,437	-19.4	-6.4	2,496	2,165	2,307	-13.3	6.6
OTHER HEW..............	4,232	4,619	5,408	9.1	17.1	3,400	3,613	4,040	6.3	11.8	832	1,006	1,368	20.9	36.0
NSF.....................	465	460	530	-1.1	15.2	249	250	284	.4	13.6	216	210	246	-2.8	17.1
ALL OTHER FEDERAL......	742	569	703	-23.3	23.6	648	475	578	-26.7	21.7	94	94	125	.0	33.0
INSTITUTIONAL SUPPORT....	3,048	3,121	3,184	2.4	2.0	1,709	1,762	1,758	3.1	-.2	1,339	1,359	1,426	1.5	4.9
OTHER OUTSIDE SUPPORT, TOTAL..............	1,861	1,785	1,865	-4.1	4.5	1,357	1,286	1,380	-5.2	7.3	504	499	485	-1.0	-2.8
ALL OTHER U.S. SOURCES.	969	910	871	-6.1	-4.3	644	590	592	-8.4	.3	325	320	279	-1.5	-12.8
FOREIGN SOURCES.........	892	875	994	-1.9	13.6	713	696	788	-2.4	13.2	179	179	206	.0	15.1
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RESEARCH ASSISTANTSHIPS:															
TOTAL, ALL SOURCES.......	11,483	12,827	13,252	11.7	3.3	10,407	11,537	12,029	10.9	4.3	1,076	1,290	1,223	19.9	-5.2
FEDERAL, TOTAL............	5,484	6,193	6,252	12.9	1.0	4,787	5,383	5,516	12.5	2.5	697	810	736	16.2	-9.1
DEPT OF DEFENSE.........	65	78	67	20.0	-14.1	59	71	56	20.3	-21.1	6	7	11	16.7	57.1
DEPT OF HEW, TOTAL.....	2,231	2,647	2,655	18.6	.3	1,738	2,081	2,135	19.7	2.6	493	566	520	14.8	-8.1
NIH....................	2,045	2,453	2,462	20.0	.4	1,589	1,920	1,984	20.8	3.3	456	533	478	16.9	-10.3
OTHER HEW..............	186	194	193	4.3	-.5	149	161	151	8.1	-6.2	37	33	42	-10.8	27.3
NSF.....................	612	750	741	22.5	-1.2	541	648	665	19.8	2.6	71	102	76	43.7	-25.5
ALL OTHER FEDERAL......	2,576	2,718	2,789	5.5	2.6	2,449	2,583	2,660	5.5	3.0	127	135	129	6.3	-4.4
INSTITUTIONAL SUPPORT....	4,497	5,004	5,265	11.3	5.2	4,230	4,648	4,908	9.9	5.6	267	356	357	33.3	.3
OTHER OUTSIDE SUPPORT, TOTAL..............	1,502	1,630	1,735	8.5	6.4	1,390	1,506	1,605	8.3	6.6	112	124	130	10.7	4.8
ALL OTHER U.S. SOURCES.	1,391	1,462	1,560	5.1	6.7	1,280	1,346	1,432	5.2	6.4	111	116	128	4.5	10.3
FOREIGN SOURCES.........	111	168	175	51.4	4.2	110	160	173	45.5	8.1	1	8	2	700.0	-75.0
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**

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TABLE B-46. FULL-TIME GRADUATE STUDENTS IN LIFE SCIENCE GRADUATE DEPARTMENTS AT ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

- CONTINUED

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TEACHING ASSISTANTSHIPS:															
TOTAL, ALL SOURCES	11,050	11,527	11,651	4.3	1.1	9,430	9,913	10,003	5.1	0.9	1,620	1,608	1,648	-0.7	2.5
FEDERAL, TOTAL	316	373	384	18.0	2.9	280	304	304	8.6	.0	36	69	80	91.7	15.9
DEPT OF DEFENSE	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
DEPT OF HEW, TOTAL	248	249	227	.4	-8.8	219	206	201	-5.9	-2.4	29	43	26	48.3	-39.5
NIH	126	135	97	7.1	-28.1	114	110	85	-3.5	-22.7	12	25	12	108.3	-52.0
OTHER HEW	122	114	130	-6.6	14.0	105	96	116	-8.6	20.8	17	18	14	5.9	-22.2
NSF	11	18	8	63.6	-55.6	10	15	4	50.0	-73.3	1	3	4	200.0	33.3
ALL OTHER FEDERAL	57	106	149	86.0	40.6	51	83	99	62.7	19.3	6	23	50	283.3	117.4
INSTITUTIONAL SUPPORT	10,668	10,991	11,166	3.0	1.6	9,093	9,465	9,605	4.1	1.5	1,575	1,526	1,561	-3.1	2.3
OTHER OUTSIDE SUPPORT, TOTAL	66	157	101	137.9	-35.7	57	144	94	152.6	-34.7	9	13	7	44.4	-46.2
ALL OTHER U.S. SOURCES	66	157	101	137.9	-35.7	57	144	94	152.6	-34.7	9	13	7	44.4	-46.2
FOREIGN SOURCES	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
SELF-SUPPORT	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
OTHER TYPES OF SUPPORT:															
TOTAL, ALL SOURCES	20,681	21,839	22,859	5.6	4.7	16,704	17,584	18,346	5.3	4.3	3,977	4,255	4,513	7.0	6.1
FEDERAL, TOTAL	662	855	866	29.2	1.3	551	703	719	27.6	2.3	111	152	147	36.9	-3.3
DEPT OF DEFENSE	79	95	137	20.3	44.2	69	83	124	20.3	49.4	10	12	13	20.0	8.3
DEPT OF HEW, TOTAL	324	268	284	-17.3	6.0	255	189	202	-25.9	6.9	69	79	82	14.5	3.8
NIH	239	161	153	-32.6	-5.0	183	118	118	-35.5	.0	56	43	35	-23.2	-18.6
OTHER HEW	85	107	131	25.9	22.4	72	71	84	-1.4	18.3	13	36	47	176.9	30.6
NSF	41	34	27	-17.1	-20.6	26	25	25	-3.8	.0	15	9	2	-40.0	-77.8
ALL OTHER FEDERAL	218	458	418	110.1	-8.7	201	406	368	102.0	-9.4	17	52	50	205.9	-3.8
INSTITUTIONAL SUPPORT	1,579	1,673	1,969	6.0	17.7	1,326	1,392	1,526	5.0	9.6	253	281	443	11.1	57.7
OTHER OUTSIDE SUPPORT, TOTAL	1,398	1,675	1,759	19.8	5.0	1,298	1,490	1,430	14.8	-4.0	100	185	329	85.0	77.8
ALL OTHER U.S. SOURCES	679	680	691	.1	1.6	614	566	501	-7.8	-11.5	65	114	190	75.4	66.7
FOREIGN SOURCES	719	995	1,068	38.4	7.3	684	924	929	35.1	.5	35	71	139	102.9	95.8
SELF-SUPPORT	17,042	17,636	18,265	3.5	3.6	13,529	13,999	14,671	3.5	4.8	3,513	3,637	3,594	3.5	-1.2

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-47. FULL-TIME GRADUATE STUDENTS IN PSYCHOLOGY GRADUATE DEPARTMENTS AT ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL:															
TOTAL, ALL SOURCES.......	19,623	21,410	21,130	9.1	-1.3	13,342	13,862	13,397	3.9	-3.4	6,281	7,548	7,733	20.2	2.5
FEDERAL, TOTAL...........	4,259	4,024	3,891	-5.5	-3.3	2,939	2,780	2,658	-5.4	-4.4	1,320	1,244	1,233	-5.8	-.9
DEPT OF DEFENSE.........	133	140	157	5.3	12.1	94	110	112	17.0	1.6	39	30	45	-23.1	50.0
DEPT OF HEW, TOTAL.....	3,081	2,942	2,800	-4.5	-4.8	2,126	2,047	1,926	-3.7	-5.9	955	895	874	-6.3	-2.3
NIH....................	1,416	1,243	1,222	-12.2	-1.7	1,009	866	887	-14.2	2.4	407	377	335	-7.4	-11.1
OTHER HEW..............	1,665	1,699	1,578	2.0	-7.1	1,117	1,181	1,039	5.7	-12.0	548	516	539	-5.5	4.1
NSF......................	265	207	222	-21.9	7.2	150	108	124	-28.0	14.8	115	99	98	-13.9	-1.0
ALL OTHER FEDERAL......	780	735	712	-5.8	-3.1	569	515	496	-9.5	-3.7	211	220	216	4.3	-1.8
INSTITUTIONAL SUPPORT....	6,965	7,350	7,392	5.5	.6	5,327	5,541	5,387	4.0	-2.8	1,638	1,809	2,005	10.4	10.8
OTHER OUTSIDE SUPPORT, TOTAL.............	1,173	1,266	1,296	7.9	2.4	866	965	985	11.4	2.1	307	301	311	-2.0	3.3
ALL OTHER U.S. SOURCES.	1,091	1,183	1,191	8.4	.7	811	909	908	12.1	-.1	280	274	283	-2.1	3.3
FOREIGN SOURCES........	82	83	105	1.2	26.5	55	56	77	1.8	37.5	27	27	28	.0	3.7
SELF-SUPPORT.............	7,226	8,770	8,551	21.4	-2.5	4,210	4,576	4,367	8.7	-4.6	3,016	4,194	4,184	39.1	-.2
FELLOWSHIPS AND TRAINEESHIPS:															
TOTAL, ALL SOURCES.......	4,429	4,283	4,157	-3.3	-2.9	2,760	2,688	2,532	-2.6	-5.8	1,669	1,595	1,625	-4.4	1.9
FEDERAL, TOTAL...........	2,879	2,764	2,565	-4.0	-7.2	1,825	1,798	1,689	-1.5	-6.1	1,054	966	876	-8.3	-9.3
DEPT OF DEFENSE.........	40	44	30	10.0	-31.8	18	23	16	27.8	-30.4	22	21	14	-4.5	-33.3
DEPT OF HEW, TOTAL.....	2,265	2,204	2,043	-2.7	-7.3	1,462	1,475	1,366	.9	-7.4	803	729	677	-9.2	-7.1
NIH....................	1,037	887	862	-14.5	-2.8	696	599	597	-13.9	-.3	341	288	265	-15.5	-8.0
OTHER HEW..............	1,228	1,317	1,181	7.2	-10.3	766	876	769	14.4	-12.2	462	441	412	-4.5	-6.6
NSF......................	145	118	109	-18.6	-7.6	51	42	44	-17.6	4.8	94	76	65	-19.1	-14.5
ALL OTHER FEDERAL......	429	398	383	-7.2	-3.8	294	258	263	-12.2	1.9	135	140	120	3.7	-14.3
INSTITUTIONAL SUPPORT....	1,163	1,086	1,175	-6.6	8.2	681	608	578	-10.7	-4.9	482	478	597	-.8	24.9
OTHER OUTSIDE SUPPORT, TOTAL.............	387	433	417	11.9	-3.7	254	282	265	11.0	-6.0	133	151	152	13.5	.7
ALL OTHER U.S. SOURCES.	336	375	345	11.6	-8.0	222	247	216	11.3	-12.6	114	128	129	12.3	.8
FOREIGN SOURCES........	51	58	72	13.7	24.1	32	35	49	9.4	40.0	19	23	23	21.1	.0
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RESEARCH ASSISTANTSHIPS:															
TOTAL, ALL SOURCES.......	2,205	2,237	2,293	1.5	2.5	1,744	1,811	1,768	3.8	-2.4	461	426	525	-7.6	23.2
FEDERAL, TOTAL...........	1,003	964	1,026	-3.9	6.4	837	801	807	-4.3	.7	166	163	219	-1.8	34.4
DEPT OF DEFENSE.........	66	83	85	25.8	2.4	56	75	74	33.9	-1.3	10	8	11	-20.0	37.5
DEPT OF HEW, TOTAL.....	675	647	695	-4.1	7.4	560	528	534	-5.7	1.1	115	119	161	3.5	35.3
NIH....................	342	333	349	-2.6	4.8	290	259	282	-10.7	8.9	52	74	67	42.3	-9.5
OTHER HEW..............	333	314	346	-5.7	10.2	270	269	252	-.4	-6.3	63	45	94	-28.6	108.9
NSF......................	120	88	109	-26.7	23.9	99	65	76	-34.3	16.9	21	23	33	9.5	43.5
ALL OTHER FEDERAL......	142	146	137	2.8	-6.2	122	133	123	9.0	-7.5	20	13	14	-35.0	7.7
INSTITUTIONAL SUPPORT....	1,069	1,175	1,122	9.9	-4.5	796	933	854	17.2	-8.5	273	242	268	-11.4	10.7
OTHER OUTSIDE SUPPORT, TOTAL.............	133	98	145	-26.3	48.0	111	77	107	-30.6	39.0	22	21	38	-4.5	81.0
ALL OTHER U.S. SOURCES.	121	97	144	-19.8	48.5	100	76	106	-24.0	39.5	21	21	38	.0	81.0
FOREIGN SOURCES........	12	1	1	-91.7	.0	11	1	1	-90.9	.0	1	0	0	-100.0	**
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**

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TABLE B-47. FULL-TIME GRADUATE STUDENTS IN PSYCHOLOGY GRADUATE DEPARTMENTS AT ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

- CONTINUED

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TEACHING ASSISTANTSHIPS:															
TOTAL, ALL SOURCES.......	4,102	4,126	4,193	0.6	1.6	3,341	3,347	3,385	0.2	1.1	761	779	808	2.4	3.7
FEDERAL, TOTAL............	59	21	26	-64.4	23.8	45	21	10	-53.3	-52.4	14	0	16	-100.0	**
DEPT OF DEFENSE.........	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
DEPT OF HEW, TOTAL.....	50	15	15	-70.0	.0	38	15	6	-60.5	-60.0	12	0	9	-100.0	**
NIH..................	14	2	3	-85.7	50.0	14	2	3	-85.7	50.0	0	0	0	**	**
OTHER HEW............	36	13	12	-63.9	-7.7	24	13	3	-45.8	-76.9	12	0	9	-100.0	**
NSF....................	0	0	4	**	**	0	0	4	**	**	0	0	0	**	**
ALL OTHER FEDERAL......	9	6	7	-33.3	16.7	7	6	0	-14.3	-100.0	2	0	7	-100.0	**
INSTITUTIONAL SUPPORT....	4,035	4,100	4,152	1.6	1.3	3,295	3,325	3,363	.9	1.1	740	775	789	4.7	1.8
OTHER OUTSIDE SUPPORT, TOTAL..............	8	5	15	-37.5	200.0	1	1	12	.0	1100.0	7	4	3	-42.9	-25.0
ALL OTHER U.S. SOURCES.	8	5	15	-37.5	200.0	1	1	12	.0	1100.0	7	4	3	-42.9	-25.0
FOREIGN SOURCES........	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
OTHER TYPES OF SUPPORT:															
TOTAL, ALL SOURCES.......	8,887	10,764	10,487	21.1	-2.6	5,497	6,016	5,712	9.4	-5.1	3,390	4,748	4,775	40.1	.6
FEDERAL, TOTAL............	318	275	274	-13.5	-.4	232	160	152	-31.0	-5.0	86	115	122	33.7	6.1
DEPT OF DEFENSE.........	27	13	42	-51.9	223.1	20	12	22	-40.0	83.3	7	1	20	-85.7	1900.0
DEPT OF HEW, TOTAL.....	91	76	47	-16.5	-38.2	66	29	20	-56.1	-31.0	25	47	27	88.0	-42.6
NIH..................	23	21	8	-8.7	-61.9	9	6	5	-33.3	-16.7	14	15	3	7.1	-80.0
OTHER HEW............	68	55	39	-19.1	-29.1	57	23	15	-59.6	-34.8	11	32	24	190.9	-25.0
NSF....................	0	1	0	**	-100.0	0	1	0	**	-100.0	0	0	0	**	**
ALL OTHER FEDERAL......	200	185	185	-7.5	.0	146	118	110	-19.2	-6.8	54	67	75	24.1	11.9
INSTITUTIONAL SUPPORT....	698	989	943	41.7	-4.7	555	675	592	21.6	-12.3	143	314	351	119.6	11.8
OTHER OUTSIDE SUPPORT, TOTAL..............	645	730	719	13.2	-1.5	500	605	601	21.0	-.7	145	125	118	-13.8	-5.6
ALL OTHER U.S. SOURCES.	626	706	687	12.8	-2.7	488	585	574	19.9	-1.9	138	121	113	-12.3	-6.6
FOREIGN SOURCES........	19	24	32	26.3	33.3	12	20	27	66.7	35.0	7	4	5	-42.9	25.0
SELF-SUPPORT.............	7,226	8,770	8,551	21.4	-2.5	4,210	4,576	4,367	8.7	-4.6	3,016	4,194	4,184	39.1	-.2

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE 8-48. FULL-TIME GRADUATE STUDENTS IN SOCIAL SCIENCE GRADUATE DEPARTMENTS AT ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL:															
TOTAL, ALL SOURCES.......	50,601	49,530	50,501	-2.1	2.0	35,007	34,389	34,600	-1.8	0.6	15,594	15,141	15,901	-2.9	5.0
FEDERAL, TOTAL............	5,638	5,502	5,821	-2.4	5.8	4,036	4,110	3,991	1.8	-2.9	1,602	1,392	1,830	-13.1	31.5
DEPT OF DEFENSE.........	256	270	315	5.5	16.7	196	233	263	18.9	12.9	60	37	52	-38.3	40.5
DEPT OF HEW, TOTAL.....	2,577	2,306	2,326	-10.5	.9	1,865	1,699	1,697	-8.9	-.1	712	607	629	-14.7	3.6
NIH...................	678	595	475	-12.2	-20.2	448	414	298	-7.6	-28.0	230	181	177	-21.3	-2.2
OTHER HEW.............	1,899	1,711	1,851	-9.9	8.2	1,417	1,285	1,399	-9.3	8.9	482	426	452	-11.6	6.1
NSF......................	616	569	545	-7.6	-4.2	285	288	274	1.1	-4.9	331	281	271	-15.1	-3.6
ALL OTHER FEDERAL.......	2,189	2,357	2,635	7.7	11.8	1,690	1,890	1,757	11.8	-7.0	499	467	878	-6.4	88.0
INSTITUTIONAL SUPPORT....	16,893	16,982	17,312	.5	1.9	12,363	12,289	12,530	-.6	2.0	4,530	4,693	4,782	3.6	1.9
OTHER OUTSIDE SUPPORT, TOTAL..............	3,646	3,428	3,564	-6.0	4.0	2,183	1,897	2,035	-13.1	7.3	1,463	1,531	1,529	4.6	-.1
ALL OTHER U.S. SOURCES.	2,445	2,093	2,020	-14.4	-3.5	1,572	1,244	1,241	-20.9	-.2	873	849	779	-2.7	-8.2
FOREIGN SOURCES........	1,201	1,335	1,544	11.2	15.7	611	653	794	6.9	21.6	590	682	750	15.6	10.0
SELF-SUPPORT.............	24,424	23,618	23,804	-3.3	.8	16,425	16,093	16,044	-2.0	-.3	7,999	7,525	7,760	-5.9	3.1
FELLOWSHIPS AND TRAINEESHIPS:															
TOTAL, ALL SOURCES.......	9,189	8,743	9,045	-4.9	3.5	4,803	4,494	4,514	-6.4	.4	4,386	4,249	4,531	-3.1	6.6
FEDERAL, TOTAL............	3,374	3,042	2,913	-9.8	-4.2	2,231	2,073	1,920	-7.1	-7.4	1,143	969	993	-15.2	2.5
DEPT OF DEFENSE.........	109	86	85	-21.1	-1.2	78	67	61	-14.1	-9.0	31	19	24	-38.7	26.3
DEPT OF HEW, TOTAL.....	2,106	1,788	1,775	-15.1	-.7	1,462	1,264	1,252	-13.5	-.9	644	524	523	-18.6	-.2
NIH...................	511	439	350	-14.1	-20.3	302	289	204	-4.3	-29.4	209	150	146	-28.2	-2.7
OTHER HEW.............	1,595	1,349	1,425	-15.4	5.6	1,160	975	1,048	-15.9	7.5	435	374	377	-14.0	.8
NSF......................	292	273	247	-6.5	-9.5	98	84	79	-14.3	-6.0	194	189	168	-2.6	-11.1
ALL OTHER FEDERAL.......	867	895	806	3.2	-9.9	593	658	528	11.0	-19.8	274	237	278	-13.5	17.3
INSTITUTIONAL SUPPORT....	3,800	3,675	3,910	-3.3	6.4	1,734	1,572	1,614	-9.3	2.7	2,066	2,103	2,296	1.8	9.2
OTHER OUTSIDE SUPPORT, TOTAL..............	2,015	2,026	2,222	.5	9.7	838	849	980	1.3	15.4	1,177	1,177	1,242	.0	5.5
ALL OTHER U.S. SOURCES.	1,132	1,052	1,046	-7.1	-.6	479	493	478	2.9	-3.0	653	559	568	-14.4	1.6
FOREIGN SOURCES........	883	974	1,176	10.3	20.7	359	356	502	-.8	41.0	524	618	674	17.9	9.1
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RESEARCH ASSISTANTSHIPS:															
TOTAL, ALL SOURCES.......	5,020	5,066	5,153	.9	1.7	4,105	4,175	4,291	1.7	2.8	915	891	862	-2.6	-3.3
FEDERAL, TOTAL............	1,459	1,446	1,497	-.9	3.5	1,127	1,162	1,201	3.1	3.4	332	284	296	-14.5	4.2
DEPT OF DEFENSE.........	28	11	17	-60.7	54.5	16	6	15	-62.5	150.0	12	5	2	-58.3	-60.0
DEPT OF HEW, TOTAL.....	270	352	337	30.4	-4.3	212	276	274	30.2	-.7	58	76	63	31.0	-17.1
NIH...................	105	133	102	26.7	-23.3	90	103	78	14.4	-24.3	15	30	24	100.0	-20.0
OTHER HEW.............	165	219	235	32.7	7.3	122	173	196	41.8	13.3	43	46	39	7.0	-15.2
NSF......................	290	268	273	-7.6	1.9	170	185	175	8.8	-5.4	120	83	98	-30.8	18.1
ALL OTHER FEDERAL.......	871	815	870	-6.4	6.7	729	695	737	-4.7	6.0	142	120	133	-15.5	10.8
INSTITUTIONAL SUPPORT....	3,088	3,168	3,248	2.6	2.5	2,632	2,665	2,766	1.3	3.8	456	503	482	10.3	-4.2
OTHER OUTSIDE SUPPORT, TOTAL..............	473	452	408	-4.4	-9.7	346	348	324	.6	-6.9	127	104	84	-18.1	-19.2
ALL OTHER U.S. SOURCES.	450	417	368	-7.3	-11.8	330	327	294	-.9	-10.1	120	90	74	-25.0	-17.8
FOREIGN SOURCES........	23	35	40	52.2	14.3	16	21	30	31.3	42.9	7	14	10	100.0	-28.6
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**

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TABLE B-48. FULL-TIME GRADUATE STUDENTS IN SOCIAL SCIENCE GRADUATE DEPARTMENTS AT ALL DOCTORATE-GRANTING INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

- CONTINUED

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TEACHING ASSISTANTSHIPS:															
TOTAL, ALL SOURCES.......	8,308	8,437	8,592	1.6	1.8	6,804	6,909	6,959	1.5	0.7	1,504	1,528	1,633	1.6	6.9
FEDERAL, TOTAL............	85	68	82	-20.0	20.6	64	63	62	-1.6	-1.6	21	5	20	-76.2	300.0
DEPT OF DEFENSE.........	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
DEPT OF HEW, TOTAL.....	25	21	20	-16.0	-4.8	23	21	18	-8.7	-14.3	2	0	2	-100.0	**
NIH....................	6	1	2	-83.3	100.0	6	1	2	-83.3	100.0	0	0	0	**	**
OTHER HEW.............	19	20	18	5.3	-10.0	17	20	16	17.6	-20.0	2	0	2	-100.0	**
NSF......................	7	3	2	-57.1	-33.3	0	1	2	**	100.0	7	2	0	-71.4	-100.0
ALL OTHER FEDERAL......	53	44	60	-17.0	36.4	41	41	42	.0	2.4	12	3	18	-75.0	500.0
INSTITUTIONAL SUPPORT....	8,193	8,328	8,419	1.6	1.1	6,712	6,815	6,815	1.5	.0	1,481	1,513	1,604	2.2	6.0
OTHER OUTSIDE SUPPORT, TOTAL.............	30	41	91	36.7	122.0	28	31	82	10.7	164.5	2	10	9	400.0	-10.0
ALL OTHER U.S. SOURCES.	30	41	91	36.7	122.0	28	31	82	10.7	164.5	2	10	9	400.0	-10.0
FOREIGN SOURCES........	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
SELF-SUPPORT..............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
OTHER TYPES OF SUPPORT:															
TOTAL, ALL SOURCES.......	28,084	27,284	27,711	-2.8	1.6	19,295	18,811	18,836	-2.5	.1	8,789	8,473	8,875	-3.6	4.7
FEDERAL, TOTAL............	720	946	1,329	31.4	40.5	614	812	808	32.2	-.5	106	134	521	26.4	288.8
DEPT OF DEFENSE.........	119	173	213	45.4	23.1	102	160	187	56.9	16.9	17	13	26	-23.5	100.0
DEPT OF HEW, TOTAL.....	176	145	194	-17.6	33.8	168	138	153	-17.9	10.9	8	7	41	-12.5	485.7
NIH....................	56	22	21	-60.7	-4.5	50	21	14	-58.0	-33.3	6	1	7	-83.3	600.0
OTHER HEW.............	120	123	173	2.5	40.7	118	117	139	-.8	18.8	2	6	34	200.0	466.7
NSF......................	27	25	23	-7.4	-8.0	17	18	18	5.9	.0	10	7	5	-30.0	-28.6
ALL OTHER FEDERAL......	398	603	899	51.5	49.1	327	496	450	51.7	-9.3	71	107	449	50.7	319.6
INSTITUTIONAL SUPPORT....	1,812	1,811	1,735	-.1	-4.2	1,285	1,237	1,335	-3.7	7.9	527	574	400	8.9	-30.3
OTHER OUTSIDE SUPPORT, TOTAL.............	1,128	909	843	-19.4	-7.3	971	669	649	-31.1	-3.0	157	240	194	52.9	-19.2
ALL OTHER U.S. SOURCES.	833	583	515	-30.0	-11.7	735	393	387	-46.5	-1.5	98	190	128	93.9	-32.6
FOREIGN SOURCES........	295	326	328	10.5	.6	236	276	262	16.9	-5.1	59	50	66	-15.3	32.0
SELF-SUPPORT..............	24,424	23,618	23,804	-3.3	.8	16,425	16,093	16,044	-2.0	-.3	7,999	7,525	7,760	-5.9	3.1

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-49. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY INSTITUTIONAL CONTROL, SOURCE OF MAJOR SUPPORT, AND SEX: 1975-77

SOURCE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL	TOTAL					MEN					WOMEN				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
ALL INSTITUTIONS:															
TOTAL, ALL SOURCES	210660	213843	218226	1.5	2.0	158032	155587	154484	-1.5	-0.7	52,628	58,256	63,742	10.7	9.4
FEDERAL, TOTAL	48,210	48,524	50,308	.7	3.7	36,151	35,541	35,811	-1.7	.8	12,059	12,983	14,497	7.7	11.7
DEPT OF DEFENSE	5,087	4,809	5,025	-5.5	4.5	4,840	4,521	4,670	-6.6	3.3	247	288	355	16.6	23.3
DEPT OF HEW, TOTAL	20,965	20,472	21,068	-2.4	2.9	12,317	11,315	10,926	-8.1	-3.4	8,648	9,157	10,142	5.9	10.8
NIH	12,314	11,445	11,080	-7.1	-3.2	8,658	7,946	7,540	-8.2	-5.1	3,656	3,499	3,540	-4.3	1.2
OTHER HEW	8,651	9,027	9,988	4.3	10.6	3,659	3,369	3,386	-7.9	.5	4,992	5,658	6,602	13.3	16.7
NSF	8,801	8,997	9,054	2.2	.6	7,682	7,873	7,805	2.5	-.9	1,119	1,124	1,249	.4	11.1
ALL OTHER FEDERAL	13,357	14,246	15,161	6.7	6.4	11,312	11,832	12,410	4.6	4.9	2,045	2,414	2,751	18.0	14.0
INSTITUTIONAL SUPPORT	77,125	79,330	80,508	2.9	1.5	58,700	59,239	58,782	.9	-.8	18,425	20,091	21,726	9.0	8.1
OTHER OUTSIDE SUPPORT, TOTAL	16,866	17,689	18,441	4.9	4.3	13,970	14,690	14,949	5.2	1.8	2,896	2,999	3,492	3.6	16.4
ALL OTHER U.S. SOURCES	11,444	11,370	11,497	-.6	1.1	9,091	8,996	8,834	-1.0	-1.8	2,353	2,374	2,663	.9	12.2
FOREIGN SOURCES	5,422	6,319	6,944	16.5	9.9	4,879	5,694	6,115	16.7	7.4	543	625	829	15.1	32.6
SELF-SUPPORT	68,459	68,300	68,969	-.2	1.0	49,211	46,117	44,942	-6.3	-2.5	19,248	22,183	24,027	15.2	8.3
PUBLIC INSTITUTIONS:															
TOTAL, ALL SOURCES	153489	155760	158040	1.5	1.5	115521	113839	112376	-1.5	-1.3	37,968	41,921	45,664	10.4	8.9
FEDERAL, TOTAL	33,834	34,201	34,983	1.1	2.3	25,235	24,800	24,803	-1.7	*	8,599	9,401	10,180	9.3	8.3
DEPT OF DEFENSE	3,580	3,454	3,559	-3.5	3.0	3,427	3,266	3,329	-4.7	1.9	153	188	230	22.9	22.3
DEPT OF HEW, TOTAL	14,464	14,184	14,390	-1.9	1.5	8,315	7,625	7,402	-8.3	-2.9	6,149	6,559	6,988	6.7	6.5
NIH	7,835	7,290	7,005	-7.0	-3.9	5,581	5,093	4,834	-8.7	-5.1	2,254	2,197	2,171	-2.5	-1.2
OTHER HEW	6,629	6,894	7,385	4.0	7.1	2,734	2,532	2,568	-7.4	1.4	3,895	4,362	4,817	12.0	10.4
NSF	5,386	5,489	5,644	1.9	2.8	4,742	4,811	4,859	1.5	1.0	644	678	785	5.3	15.8
ALL OTHER FEDERAL	10,404	11,074	11,390	6.4	2.9	8,751	9,098	9,213	4.0	1.3	1,653	1,976	2,177	19.5	10.2
INSTITUTIONAL SUPPORT	59,301	60,880	61,611	2.7	1.2	45,384	45,648	45,361	.6	-.6	13,917	15,232	16,250	9.4	6.7
OTHER OUTSIDE SUPPORT, TOTAL	11,462	11,918	12,225	4.0	2.6	9,521	9,907	9,901	4.1	-.1	1,941	2,011	2,324	3.6	15.6
ALL OTHER U.S. SOURCES	8,074	7,879	7,821	-2.4	-.7	6,483	6,271	5,998	-3.3	-4.4	1,591	1,608	1,823	1.1	13.4
FOREIGN SOURCES	3,388	4,039	4,404	19.2	9.0	3,038	3,636	3,903	19.7	7.3	350	403	501	15.1	24.3
SELF-SUPPORT	48,892	48,761	49,221	-.3	.9	35,381	33,484	32,311	-5.4	-3.5	13,511	15,277	16,910	13.1	10.7
PRIVATE INSTITUTIONS:															
TOTAL, ALL SOURCES	57,171	58,083	60,186	1.6	3.6	42,511	41,748	42,108	-1.8	.9	14,660	16,335	18,078	11.4	10.7
FEDERAL, TOTAL	14,376	14,323	15,325	-.4	7.0	10,916	10,741	11,008	-1.6	2.5	3,460	3,582	4,317	3.5	20.5
DEPT OF DEFENSE	1,507	1,355	1,466	-10.1	8.2	1,413	1,255	1,341	-11.2	6.9	94	100	125	6.4	25.0
DEPT OF HEW, TOTAL	6,501	6,288	6,678	-3.3	6.2	4,002	3,690	3,524	-7.8	-4.5	2,499	2,598	3,154	4.0	21.4
NIH	4,479	4,155	4,075	-7.2	-1.9	3,077	2,853	2,706	-7.3	-5.2	1,402	1,302	1,369	-7.1	5.1
OTHER HEW	2,022	2,133	2,603	5.5	22.0	925	837	818	-9.5	-2.3	1,097	1,296	1,785	18.1	37.7
NSF	3,415	3,508	3,410	2.7	-2.8	2,940	3,062	2,946	4.1	-3.8	475	446	464	-6.1	4.0
ALL OTHER FEDERAL	2,953	3,172	3,771	7.4	18.9	2,561	2,734	3,197	6.8	16.9	392	438	574	11.7	31.1
INSTITUTIONAL SUPPORT	17,824	18,450	18,897	3.5	2.4	13,316	13,591	13,421	2.1	-1.3	4,508	4,859	5,476	7.8	12.7
OTHER OUTSIDE SUPPORT, TOTAL	5,404	5,771	6,216	6.8	7.7	4,449	4,783	5,048	7.5	5.5	955	988	1,168	3.5	18.2
ALL OTHER U.S. SOURCES	3,370	3,491	3,676	3.6	5.3	2,608	2,725	2,836	4.5	4.1	762	766	840	.5	9.7
FOREIGN SOURCES	2,034	2,280	2,540	12.1	11.4	1,841	2,058	2,212	11.8	7.5	193	222	328	15.0	47.7
SELF-SUPPORT	19,567	19,539	19,748	-.1	1.1	13,830	12,633	12,631	-8.7	*	5,737	6,906	7,117	20.4	3.1

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-50. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY LEVEL OF STUDY, SOURCE OF MAJOR SUPPORT, AND SEX: 1975-77

SOURCE OF MAJOR SUPPORT AND LEVEL OF STUDY	TOTAL					MEN					WOMEN				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL:															
TOTAL, ALL SOURCES	210660	213843	218226	1.5	2.0	158032	155587	154484	-1.5	-0.7	52,628	58,256	63,742	10.7	9.4
FEDERAL, TOTAL	48,210	48,524	50,308	.7	3.7	36,151	35,541	35,811	-1.7	.8	12,059	12,983	14,497	7.7	11.7
DEPT OF DEFENSE	5,067	4,809	5,025	-5.5	4.5	4,840	4,521	4,670	-6.6	3.3	247	288	355	16.6	23.3
DEPT OF HEW, TOTAL	20,965	20,472	21,068	-2.4	2.9	12,317	11,315	10,926	-8.1	-3.4	8,648	9,157	10,142	5.9	10.8
NIH	12,314	11,445	11,080	-7.1	-3.2	8,658	7,946	7,540	-8.2	-5.1	3,656	3,499	3,540	-4.3	1.2
OTHER HEW	8,651	9,027	9,988	4.3	10.6	3,659	3,369	3,386	-7.9	.5	4,992	5,658	6,602	13.3	16.7
NSF	8,801	8,997	9,054	2.2	.6	7,682	7,873	7,805	2.5	-.9	1,119	1,124	1,249	.4	11.1
ALL OTHER FEDERAL	13,357	14,246	15,161	6.7	6.4	11,312	11,832	12,410	4.6	4.9	2,045	2,414	2,751	18.0	14.0
INSTITUTIONAL SUPPORT	77,125	79,330	80,508	2.9	1.5	58,700	59,239	58,782	.9	-.8	18,425	20,091	21,726	9.0	8.1
OTHER OUTSIDE SUPPORT, TOTAL	16,866	17,689	18,441	4.9	4.3	13,970	14,690	14,949	5.2	1.8	2,896	2,999	3,492	3.6	16.4
ALL OTHER U.S. SOURCES	11,444	11,370	11,497	-.6	1.1	9,091	8,996	8,834	-1.0	-1.8	2,353	2,374	2,663	.9	12.2
FOREIGN SOURCES	5,422	6,319	6,944	16.5	9.9	4,879	5,694	6,115	16.7	7.4	543	625	829	15.1	32.6
SELF-SUPPORT	68,459	68,300	68,969	-.2	1.0	49,211	46,117	44,942	-6.3	-2.5	19,248	22,183	24,027	15.2	8.3
FIRST YEAR:															
TOTAL, ALL SOURCES	79,314	78,067	80,397	-1.6	3.0	57,645	54,611	54,485	-5.3	-.2	21,669	23,456	25,912	8.2	10.5
FEDERAL, TOTAL	13,661	13,557	14,814	-.8	9.3	9,315	8,658	9,259	-7.1	6.9	4,346	4,899	5,555	12.7	13.4
DEPT OF DEFENSE	1,747	1,516	1,749	-13.2	15.4	1,681	1,423	1,618	-15.3	13.7	66	93	131	40.9	40.9
DEPT OF HEW, TOTAL	6,211	6,288	6,745	1.2	7.3	2,909	2,543	2,546	-12.6	.1	3,302	3,745	4,199	13.4	12.1
NIH	2,395	2,025	2,050	-15.4	1.2	1,522	1,251	1,246	-17.8	-.4	873	774	804	-11.3	3.9
OTHER HEW	3,816	4,263	4,695	11.7	10.1	1,387	1,292	1,300	-6.8	.6	2,429	2,971	3,395	22.3	14.3
NSF	1,709	1,625	1,690	-4.9	4.0	1,447	1,394	1,414	-3.7	1.4	262	231	276	-11.8	19.5
ALL OTHER FEDERAL	3,994	4,128	4,630	3.4	12.2	3,278	3,298	3,681	.6	11.6	716	830	949	15.9	14.3
INSTITUTIONAL SUPPORT	28,167	28,134	28,979	-.1	3.0	20,844	20,510	20,675	-1.6	.8	7,323	7,624	8,304	4.1	8.9
OTHER OUTSIDE SUPPORT, TOTAL	6,040	6,096	6,290	.9	3.2	5,034	5,111	5,132	1.5	.4	1,006	985	1,158	-2.1	17.6
ALL OTHER U.S. SOURCES	3,649	3,450	3,470	-5.5	.6	2,906	2,746	2,697	-5.5	-1.8	743	704	773	-5.2	9.8
FOREIGN SOURCES	2,391	2,646	2,820	10.7	6.6	2,128	2,365	2,435	11.1	3.0	263	281	385	6.8	37.0
SELF-SUPPORT	31,446	30,280	30,314	-3.7	.1	22,452	20,332	19,419	-9.4	-4.5	8,994	9,948	10,895	10.6	9.5
BEYOND FIRST YEAR:															
TOTAL, ALL SOURCES	131346	135776	137829	3.4	1.5	100387	100976	99,999	.6	-1.0	30,959	34,800	37,830	12.4	8.7
FEDERAL, TOTAL	34,549	34,967	35,494	1.2	1.5	26,836	26,883	26,552	.2	-1.2	7,713	8,084	8,942	4.8	10.6
DEPT OF DEFENSE	3,340	3,293	3,276	-1.4	-.5	3,159	3,098	3,052	-1.9	-1.5	181	195	224	7.7	14.9
DEPT OF HEW, TOTAL	14,754	14,184	14,323	-3.9	1.0	9,408	8,772	8,380	-6.8	-4.5	5,346	5,412	5,943	1.2	9.8
NIH	9,919	9,420	9,030	-5.0	-4.1	7,136	6,695	6,294	-6.2	-6.0	2,783	2,725	2,736	-2.1	.4
OTHER HEW	4,835	4,764	5,293	-1.5	11.1	2,272	2,077	2,086	-8.6	.4	2,563	2,687	3,207	4.8	19.4
NSF	7,092	7,372	7,364	3.9	-.1	6,235	6,479	6,391	3.9	-1.4	857	893	973	4.2	9.0
ALL OTHER FEDERAL	9,363	10,118	10,531	8.1	4.1	8,034	8,534	8,729	6.2	2.3	1,329	1,584	1,802	19.2	13.8
INSTITUTIONAL SUPPORT	48,958	51,196	51,529	4.6	.7	37,856	38,729	38,107	2.3	-1.6	11,102	12,467	13,422	12.3	7.7
OTHER OUTSIDE SUPPORT, TOTAL	10,826	11,593	12,151	7.1	4.8	8,936	9,579	9,817	7.2	2.5	1,890	2,014	2,334	6.6	15.9
ALL OTHER U.S. SOURCES	7,795	7,920	8,027	1.6	1.4	6,185	6,250	6,137	1.1	-1.8	1,610	1,670	1,890	3.7	13.2
FOREIGN SOURCES	3,031	3,673	4,124	21.2	12.3	2,751	3,329	3,680	21.0	10.5	280	344	444	22.9	29.1
SELF-SUPPORT	37,013	38,020	38,655	2.7	1.7	26,759	25,785	25,523	-3.6	-1.0	10,254	12,235	13,132	19.3	7.3

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-51. POSTDOCTORALS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND INSTITUTIONAL CONTROL: 1975-77

FIELD OF SCIENCE	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	17,068	18,751	19,748	9.9	5.3	9,368	10,131	10,577	8.1	4.4	7,700	8,620	9,171	11.9	6.4
ENGINEERING	1,171	1,217	1,234	3.9	1.4	612	601	638	-1.8	6.2	559	616	596	10.2	-3.2
AERONAUTICAL	50	67	74	34.0	10.4	17	18	25	5.9	38.9	33	49	49	48.5	.0
AGRICULTURAL	40	46	29	15.0	-37.0	33	40	28	21.2	-30.0	7	6	1	-14.3	-83.3
BIOMEDICAL	35	51	66	45.7	29.4	12	11	7	-8.3	-36.4	23	40	59	73.9	47.5
CHEMICAL	220	222	211	.9	-5.0	144	135	142	-6.3	5.2	76	87	69	14.5	-20.7
CIVIL	104	104	151	.0	45.2	57	48	79	-15.8	64.6	47	56	72	19.1	28.6
ELECTRICAL	169	173	168	2.4	-2.9	94	81	89	-13.8	9.9	75	92	79	22.7	-14.1
ENGINEERING SCIENCE	123	104	107	-15.4	2.9	37	27	39	-27.0	44.4	86	77	68	-10.5	-11.7
INDUSTRIAL	43	23	22	-46.5	-4.3	25	11	11	-56.0	.0	18	12	11	-33.3	-8.3
MECHANICAL	81	130	120	60.5	-7.7	41	75	71	82.9	-5.3	40	55	49	37.5	-10.9
METALLURGICAL/MATERIALS	212	214	206	.9	-3.7	94	108	101	14.9	-6.5	118	106	105	-10.2	-.9
MINING	13	16	14	23.1	-12.5	5	9	7	80.0	-22.2	8	7	7	-12.5	.0
NUCLEAR	41	32	21	-22.0	-34.4	23	17	12	-26.1	-29.4	18	15	9	-16.7	-40.0
PETROLEUM	11	12	18	9.1	50.0	10	10	17	.0	70.0	1	2	1	100.0	-50.0
ENGINEERING, NEC.	29	23	27	-20.7	17.4	20	11	10	-45.0	-9.1	9	12	17	33.3	41.7
PHYSICAL SCIENCES	3,912	4,026	4,180	2.9	3.8	2,311	2,356	2,418	1.9	2.6	1,601	1,670	1,762	4.3	5.5
ASTRONOMY	103	131	155	27.2	18.3	54	64	81	18.5	26.6	49	67	74	36.7	10.4
CHEMISTRY	2,483	2,579	2,628	3.9	1.9	1,512	1,548	1,583	2.4	2.3	971	1,031	1,045	6.2	1.4
PHYSICS	1,326	1,316	1,397	-.8	6.2	745	744	754	-.1	1.3	581	572	643	-1.5	12.4
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	275	375	376	36.4	.3	181	217	249	19.9	14.7	94	158	127	68.1	-19.6
ATMOSPHERIC SCIENCES	48	63	62	31.3	-1.6	38	49	54	28.9	10.2	10	14	8	40.0	-42.9
GEOSCIENCES	169	255	234	50.9	-8.2	93	119	128	28.0	7.6	76	136	106	78.9	-22.1
OCEANOGRAPHY	53	52	69	-1.9	32.7	45	45	58	.0	28.9	8	7	11	-12.5	57.1
ENVIRONMENTAL SCIENCES, NEC.	5	5	11	.0	120.0	5	4	9	-20.0	125.0	0	1	2	**	100.0
MATHEMATICAL SCIENCES	168	188	148	11.9	-21.3	95	80	59	-15.8	-26.2	73	108	89	47.9	-17.6
COMPUTER SCIENCE	39	64	59	64.1	-7.8	15	31	27	106.7	-12.9	24	33	32	37.5	-3.0
MATHEMATICS AND APPLIED MATHEMATICS	101	101	72	.0	-28.7	55	31	17	-43.6	-45.2	46	70	55	52.2	-21.4
STATISTICS	28	23	17	-17.9	-26.1	25	18	15	-28.0	-16.7	3	5	2	66.7	-60.0
LIFE SCIENCES	10,898	12,218	13,065	12.1	6.9	5,857	6,546	6,871	11.8	5.0	5,041	5,672	6,194	12.5	9.2
AGRICULTURAL SCIENCES	313	411	347	31.3	-15.6	292	384	328	31.5	-14.6	21	27	19	28.6	-29.6
BIOLOGICAL SCIENCES	5,776	6,318	6,609	9.4	4.6	3,145	3,382	3,540	7.5	4.7	2,631	2,936	3,069	11.6	4.5
ANATOMY	195	174	218	-10.8	25.3	116	89	117	-23.3	31.5	79	85	101	7.6	18.8
BIOCHEMISTRY	1,346	1,410	1,411	4.8	.1	745	772	770	3.6	-.3	601	638	641	6.2	.5
BIOLOGY	796	845	908	6.2	7.5	283	312	353	10.2	13.1	513	533	555	3.9	4.1
BIOMETRY/EPIDEMIOLOGY	15	24	44	60.0	83.3	8	17	27	112.5	58.8	7	7	17	.0	142.9
BIOPHYSICS	223	241	236	8.1	-2.1	79	83	72	5.1	-13.3	144	158	164	9.7	3.8
BOTANY	144	149	157	3.5	5.4	128	134	142	4.7	6.0	16	15	15	-6.3	.0
CELL BIOLOGY	223	259	254	16.1	-1.9	102	123	119	20.6	-3.3	121	136	135	12.4	-.7
ECOLOGY	31	9	9	-71.0	.0	7	7	7	.0	.0	24	2	2	-91.7	.0
ENTOMOLOGY/PARASITOLOGY	131	116	113	-11.5	-2.6	128	106	98	-17.2	-7.5	3	10	15	233.3	50.0
GENETICS	195	200	204	2.6	2.0	126	104	110	-17.5	5.8	69	96	94	39.1	-2.1
MICROBIOLOGY	683	777	847	13.8	9.0	407	462	512	13.5	10.0	276	315	335	14.1	6.3
NUTRITION	161	170	172	5.6	1.2	61	54	67	-11.5	24.1	100	116	105	16.0	-9.5
PATHOLOGY	409	514	581	25.7	13.0	176	240	253	36.4	5.4	233	274	328	17.6	19.7
PHARMACOLOGY	421	518	540	23.0	4.2	240	267	282	11.2	5.6	181	251	258	38.7	2.8
PHYSIOLOGY	522	599	632	14.8	5.5	302	348	380	15.2	9.2	220	251	252	14.1	.4
ZOOLOGY	193	201	157	4.1	-21.9	171	180	138	5.3	-23.3	22	21	19	-4.5	-9.5
BIOSCIENCES, NEC.	88	112	126	27.3	12.5	66	84	93	27.3	10.7	22	28	33	27.3	17.9
HEALTH SCIENCES	4,809	5,489	6,109	14.1	11.3	2,420	2,780	3,003	14.9	8.0	2,389	2,709	3,106	13.4	14.7
ANESTHESIOLOGY	95	64	75	-32.6	17.2	54	29	38	-46.3	31.0	41	35	37	-14.6	5.7
CARDIOLOGY	470	498	510	6.0	2.4	255	261	267	2.4	2.3	215	237	243	10.2	2.5
CLINICAL PHARMACOLOGY	59	43	82	-27.1	90.7	36	16	50	-55.6	212.5	23	27	32	17.4	18.5
DENTISTRY	36	100	214	177.8	114.0	28	77	160	175.0	107.8	8	23	54	187.5	134.8
ENDOCRINOLOGY	156	240	227	53.8	-5.4	84	140	115	66.7	-17.9	72	100	112	38.9	12.0
GASTROENTEROLOGY	184	171	201	-7.1	17.5	103	98	104	-4.9	6.1	81	73	97	-9.9	32.9
HEMATOLOGY	200	276	252	38.0	-8.7	104	117	107	12.5	-8.5	96	159	145	65.6	-8.8
NEUROLOGY	202	215	279	6.4	29.8	73	73	108	.0	47.9	129	142	171	10.1	20.4
NURSING	16	1	0	-93.8	-100.0	0	0	0	**	**	16	1	0	-93.8	-100.0
OBSTETRICS/GYNECOLOGY	174	186	172	6.9	-7.5	89	97	84	9.0	-13.4	85	89	88	4.7	-1.1
OPHTHALMOLOGY	104	163	186	56.7	14.1	41	53	49	29.3	-7.5	63	110	137	74.6	24.5
OTORHINOLARYNGOLOGY	42	41	30	-2.4	-26.8	28	19	19	-32.1	.0	14	22	11	57.1	-50.0
PEDIATRICS	492	556	580	13.0	4.3	234	245	228	4.7	-6.9	258	311	352	20.5	13.2
PHARMACEUTICAL SCIENCES	201	202	234	.5	15.8	194	192	220	-1.0	14.6	7	10	14	42.9	40.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	101	163	140	61.4	-14.1	69	121	78	75.4	-35.5	32	42	62	31.3	47.6
PSYCHIATRY	296	324	366	9.5	13.0	152	157	130	3.3	-17.2	144	167	236	16.0	41.3
PULMONARY DISEASE	164	226	240	37.8	6.2	85	112	119	31.8	6.3	79	114	121	44.3	6.1
RADIOLOGY	160	162	176	1.2	8.6	48	77	59	60.4	-23.4	112	85	117	-24.1	37.6
SPEECH PATH/AUDIOLOGY	13	16	30	23.1	87.5	13	15	30	15.4	100.0	0	1	0	**	-100.0
SURGERY	333	403	449	21.0	11.4	93	155	198	66.7	27.7	240	248	251	3.3	1.2
VETERINARY SCIENCES	63	81	98	28.6	21.0	36	56	67	55.6	19.6	27	25	31	-7.4	24.0
CLINICAL MEDICINE, NEC.	1,234	1,333	1,516	8.0	13.7	593	652	733	9.9	12.4	641	681	783	6.2	15.0
HEALTH RELATED, NEC.	14	23	52	78.6	108.0	8	18	40	125.0	122.2	6	7	12	16.7	71.4
PSYCHOLOGY	374	383	385	2.4	.5	158	140	140	-11.4	.0	216	243	245	12.5	.8
SOCIAL SCIENCES	270	344	360	27.4	4.7	154	191	202	24.0	5.8	116	153	158	31.9	3.3
AGRICULTURAL ECONOMICS	27	31	28	14.8	-9.7	26	29	28	11.5	-3.4	1	2	0	100.0	-100.0
ANTHROPOLOGY	33	45	53	36.4	17.8	23	28	40	21.7	42.9	10	17	13	70.0	-23.5
ECONOMICS (EXCEPT AGRICULTURAL)	44	56	66	27.3	17.9	23	21	18	-8.7	-14.3	21	35	48	66.7	37.1
GEOGRAPHY	7	12	9	71.4	-25.0	6	8	8	33.3	.0	1	4	1	300.0	-75.0
HISTORY AND PHILOSOPHY OF SCIENCE	6	12	22	100.0	83.3	0	1	4	**	300.0	6	11	18	83.3	63.6
LINGUISTICS	25	35	30	40.0	-14.3	11	23	23	109.1	.0	14	12	7	-14.3	-41.7
POLITICAL SCIENCE	19	31	36	63.2	16.1	11	19	21	72.7	10.5	8	12	15	50.0	25.0
SOCIOLOGY	87	114	100	31.0	-12.3	42	55	46	31.0	-16.4	45	59	54	31.1	-8.5
SOCIOLOGY/ANTHROPOLOGY	2	3	4	50.0	33.3	1	3	4	200.0	33.3	1	0	0	-100.0	**
SOCIAL SCIENCES, NEC.	20	5	12	-75.0	140.0	11	4	10	-63.6	150.0	9	1	2	-88.9	100.0

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-52. POSTDOCTORALS IN ALL DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF SUPPORT: 1975-77

FIELD OF SCIENCE	FEDERAL										NON-FEDERAL				
	FELLOWSHIPS AND TRAINEESHIPS					RESEARCH ASSOCIATES									
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	4,872	5,420	5,567	11.2	2.7	7,176	7,805	7,986	8.8	2.3	5,020	5,526	6,195	10.1	12.1
ENGINEERING	93	144	170	54.8	18.1	718	721	754	.4	4.6	360	352	310	-2.2	-11.9
AERONAUTICAL	5	9	9	80.0	.0	29	40	52	37.9	30.0	16	18	13	12.5	-27.8
AGRICULTURAL	1	1	1	.0	.0	19	23	16	21.1	-30.4	20	22	12	10.0	-45.5
BIOMEDICAL	13	25	27	92.3	8.0	13	9	13	-30.8	44.4	9	17	26	88.9	52.9
CHEMICAL	12	15	34	25.0	126.7	113	133	123	17.7	-7.5	95	74	54	-22.1	-27.0
CIVIL	6	13	11	116.7	-15.4	54	63	88	16.7	39.7	44	28	52	-36.4	85.7
ELECTRICAL	12	14	9	16.7	-35.7	116	114	128	-1.7	12.3	41	45	31	9.8	-31.1
ENGINEERING SCIENCE	16	47	45	193.8	-4.3	90	45	46	-50.0	2.2	17	12	16	-29.4	33.3
INDUSTRIAL	8	1	0	-87.5	-100.0	16	9	8	-43.8	-11.1	19	13	14	-31.6	7.7
MECHANICAL	1	2	3	100.0	50.0	57	84	84	47.4	.0	23	44	33	91.3	-25.0
METALLURGICAL/MATERIALS	17	16	30	-5.9	87.5	144	143	138	-.7	-3.5	51	55	38	7.8	-30.9
MINING	0	0	0	**	**	11	15	13	36.4	-13.3	2	1	1	-50.0	.0
NUCLEAR	0	1	0	**	-100.0	27	16	10	-40.7	-37.5	14	15	11	7.1	-26.7
PETROLEUM	0	0	1	**	**	9	12	16	33.3	33.3	2	0	1	-100.0	**
ENGINEERING, NEC.	2	0	0	-100.0	**	20	15	19	-25.0	26.7	7	8	8	14.3	.0
PHYSICAL SCIENCES	462	425	465	-8.0	9.4	2,649	2,839	2,934	7.2	3.3	801	762	781	-4.9	2.5
ASTRONOMY	12	11	14	-8.3	27.3	64	86	101	34.4	17.4	27	34	40	25.9	17.6
CHEMISTRY	344	315	342	-8.4	8.6	1,520	1,696	1,741	11.6	2.7	619	568	545	-8.2	-4.0
PHYSICS	106	99	109	-6.6	10.1	1,065	1,057	1,092	-.8	3.3	155	160	196	3.2	22.5
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	32	45	35	40.6	-22.2	182	251	277	37.9	10.4	61	79	64	29.5	-19.0
ATMOSPHERIC SCIENCES	2	6	2	200.0	-66.7	40	54	57	35.0	5.6	6	3	3	-50.0	.0
GEOSCIENCES	15	27	24	80.0	-11.1	112	166	172	48.2	3.6	42	62	38	47.6	-38.7
OCEANOGRAPHY	14	12	8	-14.3	-33.3	29	28	41	-3.4	46.4	10	12	20	20.0	66.7
ENVIRONMENTAL SCIENCES, NEC.	1	0	1	-100.0	**	1	3	7	200.0	133.3	3	2	3	-33.3	50.0
MATHEMATICAL SCIENCES	17	25	13	47.1	-48.0	55	66	79	20.0	19.7	96	97	56	1.0	-42.3
COMPUTER SCIENCE	4	10	6	150.0	-40.0	24	31	45	29.2	45.2	11	23	8	109.1	-65.2
MATHEMATICS AND APPLIED MATHEMATICS	7	11	5	57.1	-54.5	25	33	31	32.0	-6.1	69	57	36	-17.4	-36.8
STATISTICS	6	4	2	-33.3	-50.0	6	2	3	-66.7	50.0	16	17	12	6.3	-29.4
LIFE SCIENCES	4,108	4,557	4,670	10.9	2.5	3,390	3,749	3,771	10.6	.6	3,400	3,912	4,624	15.1	18.2
AGRICULTURAL SCIENCES	16	17	10	6.3	-41.2	128	203	184	58.6	-9.4	169	191	153	13.0	-19.9
BIOLOGICAL SCIENCES	1,977	2,310	2,310	16.8	.0	2,437	2,627	2,696	7.8	2.6	1,362	1,381	1,603	1.4	16.1
ANATOMY	94	78	88	-17.0	12.8	53	56	68	5.7	21.4	48	40	62	-16.7	55.0
BIOCHEMISTRY	332	351	311	5.7	-11.4	768	784	825	2.1	5.2	246	275	275	11.8	.0
BIOLOGY	278	345	301	24.1	-12.8	264	328	370	24.2	12.8	254	172	237	-32.3	37.8
BIOMETRY/EPIDEMIOLOGY	9	15	24	66.7	60.0	1	3	1	200.0	-66.7	5	6	19	20.0	216.7
BIOPHYSICS	114	114	126	.0	10.5	76	98	88	28.9	-10.2	33	29	22	-12.1	-24.1
BOTANY	8	15	10	87.5	-33.3	61	65	90	6.6	38.5	75	69	57	-8.0	-17.4
CELL BIOLOGY	95	79	89	-16.8	12.7	94	136	101	44.7	-25.7	34	44	64	29.4	45.5
ECOLOGY	11	4	0	-63.6	-100.0	16	4	8	-75.0	100.0	4	1	1	-75.0	.0
ENTOMOLOGY/PARASITOLOGY	5	23	22	360.0	-4.3	62	62	56	.0	-9.7	64	31	35	-51.6	12.9
GENETICS	90	97	82	7.8	-15.5	61	58	78	-4.9	34.5	44	45	44	2.3	-2.2
MICROBIOLOGY	248	294	342	18.5	16.3	259	298	282	15.1	-5.4	176	185	223	5.1	20.5
NUTRITION	39	32	47	-17.9	46.9	63	70	71	11.1	1.4	59	68	54	15.3	-20.6
PATHOLOGY	188	240	280	27.7	16.7	127	152	128	19.7	-15.8	94	122	173	29.8	41.8
PHARMACOLOGY	154	215	218	39.6	1.4	205	207	211	1.0	1.9	62	96	111	54.8	15.6
PHYSIOLOGY	236	298	270	26.3	-9.4	179	195	227	8.9	16.4	107	106	135	-.9	27.4
ZOOLOGY	41	65	54	58.5	-16.9	126	85	53	-32.5	-37.6	26	51	50	96.2	-2.0
BIOSCIENCES, NEC.	35	45	46	28.6	2.2	22	26	39	18.2	50.0	31	41	41	32.3	.0
HEALTH SCIENCES	2,115	2,230	2,350	5.4	5.4	825	919	891	11.4	-3.0	1,869	2,340	2,868	25.2	22.6
ANESTHESIOLOGY	35	31	20	-11.4	-35.5	2	12	13	500.0	8.3	58	21	42	-63.8	100.0
CARDIOLOGY	228	207	163	-9.2	-21.3	52	59	75	13.5	27.1	190	232	272	22.1	17.2
CLINICAL PHARMACOLOGY	32	19	43	-40.6	126.3	11	13	12	18.2	-7.7	16	11	27	-31.3	145.5
DENTISTRY	14	40	51	185.7	27.5	2	4	10	100.0	150.0	20	56	153	180.0	173.2
ENDOCRINOLOGY	68	103	97	51.5	-5.8	32	45	32	40.6	-28.9	56	92	98	64.3	6.5
GASTROENTEROLOGY	90	73	76	-18.9	4.1	11	15	20	36.4	33.3	83	83	105	.0	26.5
HEMATOLOGY	116	137	109	18.1	-20.4	26	43	55	65.4	27.9	58	96	88	65.5	-8.3
NEUROLOGY	101	108	135	6.9	25.0	55	37	35	-32.7	-5.4	46	70	109	52.2	55.7
NURSING	16	1	0	-93.8	-100.0	0	0	0	**	**	0	0	0	**	**
OBSTETRICS/GYNECOLOGY	58	58	60	.0	3.4	25	22	18	-12.0	-18.2	91	106	94	16.5	-11.3
OPHTHALMOLOGY	49	90	106	83.7	17.8	15	18	26	20.0	44.4	40	55	54	37.5	-1.8
OTORHINOLARYNGOLOGY	23	7	5	-69.6	-28.6	8	10	12	25.0	20.0	11	24	13	118.2	-45.8
PEDIATRICS	245	254	228	3.7	-10.2	53	68	62	28.3	-8.8	194	234	290	20.6	23.9
PHARMACEUTICAL SCIENCES	39	39	42	.0	7.7	136	130	130	-4.4	.0	26	33	62	26.9	87.9
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	72	86	86	19.4	.0	9	17	11	88.9	-35.3	20	60	43	200.0	-28.3
PSYCHIATRY	181	163	204	-9.9	25.2	31	47	32	51.6	-31.9	84	114	130	35.7	14.0
PULMONARY DISEASE	69	87	83	26.1	-4.6	14	22	22	57.1	.0	81	117	135	44.4	15.4
RADIOLOGY	56	84	50	50.0	-40.5	59	56	51	-5.1	-8.9	45	22	75	-51.1	240.9
SPEECH PATH/AUDIOLOGY	6	6	11	.0	83.3	3	8	6	166.7	-25.0	4	2	13	-50.0	550.0
SURGERY	118	126	125	6.8	-.8	69	82	87	18.8	6.1	146	195	237	33.6	21.5
VETERINARY SCIENCES	17	6	16	-64.7	166.7	28	33	41	17.9	24.2	18	42	41	133.3	-2.4
CLINICAL MEDICINE, NEC.	476	493	595	3.6	20.7	176	168	138	-4.5	-17.9	582	672	783	15.5	16.5
HEALTH RELATED, NEC.	6	12	45	100.0	275.0	8	10	3	25.0	-70.0	0	3	4	**	33.3
PSYCHOLOGY	113	144	125	27.4	-13.2	93	96	103	3.2	7.3	168	143	157	-14.9	9.8
SOCIAL SCIENCES	47	80	89	70.2	11.2	89	83	68	-6.7	-18.1	134	181	203	35.1	12.2
AGRICULTURAL ECONOMICS	0	3	0	**	-100.0	20	20	7	.0	-65.0	7	8	21	14.3	162.5
ANTHROPOLOGY	7	22	20	214.3	-9.1	12	5	4	-58.3	-20.0	14	18	29	28.6	61.1
ECONOMICS (EXCEPT AGRICULTURAL)	5	5	4	.0	-20.0	10	9	9	-10.0	.0	29	42	53	44.8	26.2
GEOGRAPHY	1	1	0	.0	-100.0	1	0	4	-100.0	**	5	11	5	120.0	-54.5
HISTORY AND PHILOSOPHY OF SCIENCE	1	0	3	-100.0	**	0	1	3	**	200.0	5	11	16	120.0	45.5
LINGUISTICS	4	5	3	25.0	-40.0	8	6	4	-25.0	-33.3	13	24	23	84.6	-4.2
POLITICAL SCIENCE	0	2	9	**	350.0	4	9	7	125.0	-22.2	15	20	20	33.3	.0
SOCIOLOGY	20	37	50	85.0	35.1	31	33	25	6.5	-24.2	36	44	25	22.2	-43.2
SOCIOLOGY/ANTHROPOLOGY	0	0	0	**	**	0	0	1	**	**	2	3	3	50.0	.0
SOCIAL SCIENCES, NEC.	9	5	0	-44.4	-100.0	3	0	4	-100.0	**	8	0	8	-100.0	**

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-53. POSTDOCTORALS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF SUPPORT: 1975-77

FIELD OF SCIENCE	FEDERAL										NON-FEDERAL				
	FELLOWSHIPS AND TRAINEESHIPS					RESEARCH ASSOCIATES									
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	2,327	2,577	2,567	10.7	-0.4	4,330	4,683	4,808	8.2	2.7	2,711	2,871	3,202	5.9	11.5
ENGINEERING	46	46	52	.0	13.0	342	358	406	4.7	13.4	224	197	180	-12.1	-8.6
AERONAUTICAL	0	2	0	**	-100.0	14	14	16	.0	14.3	3	2	9	-33.3	350.0
AGRICULTURAL	1	1	0	.0	-100.0	15	18	16	20.0	-11.1	17	21	12	23.5	-42.9
BIOMEDICAL	6	5	2	-16.7	-60.0	6	6	3	.0	-50.0	0	0	2	**	**
CHEMICAL	10	9	20	-10.0	122.2	68	75	82	10.3	9.3	66	51	40	-22.7	-21.6
CIVIL	1	4	4	300.0	.0	29	28	42	-3.4	50.0	27	16	33	-40.7	106.3
ELECTRICAL	7	3	1	-57.1	-66.7	54	44	64	-18.5	45.5	33	34	24	3.0	-29.4
ENGINEERING SCIENCE	8	6	6	-25.0	.0	18	18	24	.0	33.3	11	3	9	-72.7	200.0
INDUSTRIAL	8	1	0	-87.5	-100.0	3	5	6	66.7	20.0	14	5	5	-64.3	.0
MECHANICAL	1	2	3	100.0	50.0	26	46	50	76.9	8.7	14	27	18	92.9	-33.3
METALLURGICAL/MATERIALS	4	12	15	200.0	25.0	65	72	69	10.8	-4.2	25	24	17	-4.0	-29.2
MINING	0	0	0	**	**	4	8	7	100.0	-12.5	1	1	0	.0	-100.0
NUCLEAR	0	1	0	**	-100.0	12	7	6	-41.7	-14.3	11	9	6	-18.2	-33.3
PETROLEUM	0	0	1	**	**	9	10	16	11.1	60.0	1	0	0	-100.0	**
ENGINEERING, NEC.	0	0	0	**	**	19	7	5	-63.2	-28.6	1	4	5	300.0	25.0
PHYSICAL SCIENCES	201	184	178	-8.5	-3.3	1,679	1,749	1,847	4.2	5.6	431	423	393	-1.9	-7.1
ASTRONOMY	0	0	1	**	**	41	46	64	12.2	39.1	13	18	16	38.5	-11.1
CHEMISTRY	155	160	167	3.2	4.4	1,022	1,061	1,133	3.8	6.8	335	327	283	-2.4	-13.5
PHYSICS	46	24	10	-47.8	-58.3	616	642	650	4.2	1.2	83	78	94	-6.0	20.5
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	17	22	14	29.4	-36.4	132	154	199	16.7	29.2	32	41	36	28.1	-12.2
ATMOSPHERIC SCIENCES	2	5	2	150.0	-60.0	33	42	49	27.3	16.7	3	2	3	-33.3	50.0
GEOSCIENCES	2	6	3	200.0	-50.0	70	83	104	18.6	25.3	21	30	21	42.9	-30.0
OCEANOGRAPHY	12	11	8	-8.3	-27.3	28	26	39	-7.1	50.0	5	8	11	60.0	37.5
ENVIRONMENTAL SCIENCES, NEC.	1	0	1	-100.0	**	1	3	7	200.0	133.3	3	1	1	-66.7	.0
MATHEMATICAL SCIENCES	7	11	5	57.1	-54.5	13	15	27	15.4	80.0	75	54	27	-28.0	-50.0
COMPUTER SCIENCE	2	6	2	200.0	-66.7	5	8	20	60.0	150.0	8	17	5	112.5	-70.6
MATHEMATICS AND APPLIED MATHEMATICS	0	1	1	**	.0	3	6	5	100.0	-16.7	52	24	11	-53.8	-54.2
STATISTICS	5	4	2	-20.0	-50.0	5	1	2	-80.0	100.0	15	13	11	-13.3	-15.4
LIFE SCIENCES	1,992	2,214	2,217	11.1	.1	2,042	2,305	2,238	12.9	-2.9	1,823	2,027	2,416	11.2	19.2
AGRICULTURAL SCIENCES	16	16	10	.0	-37.5	121	188	175	55.4	-6.9	155	180	143	16.1	-20.6
BIOLOGICAL SCIENCES	939	1,056	1,095	12.5	3.7	1,487	1,597	1,561	7.4	-2.3	719	729	884	1.4	21.3
ANATOMY	51	39	45	-23.5	15.4	35	34	37	-2.9	8.8	30	16	35	-46.7	118.8
BIOCHEMISTRY	156	179	154	14.7	-14.0	451	448	468	-.7	4.5	138	145	148	5.1	2.1
BIOLOGY	95	96	87	1.1	-9.4	132	166	176	25.8	6.0	56	50	90	-10.7	80.0
BIOMETRY/EPIDEMIOLOGY	7	14	23	100.0	64.3	0	2	1	**	-50.0	1	1	3	.0	200.0
BIOPHYSICS	26	20	33	-23.1	65.0	41	49	31	19.5	-36.7	12	14	8	16.7	-42.9
BOTANY	6	11	10	83.3	-9.1	51	59	79	15.7	33.9	71	64	53	-9.9	-17.2
CELL BIOLOGY	43	21	32	-51.2	52.4	53	88	61	66.0	-30.7	6	14	26	133.3	85.7
ECOLOGY	2	2	0	.0	-100.0	4	4	6	.0	50.0	1	1	1	.0	.0
ENTOMOLOGY/PARASITOLOGY	4	19	14	375.0	-26.3	62	58	51	-6.5	-12.1	62	29	33	-53.2	13.8
GENETICS	55	47	43	-14.5	-8.5	37	33	44	-10.8	33.3	34	24	23	-29.4	-4.2
MICROBIOLOGY	150	167	207	11.3	24.0	156	193	184	23.7	-4.7	101	102	121	1.0	18.6
NUTRITION	9	3	6	-66.7	100.0	27	33	39	22.2	18.2	25	18	22	-28.0	22.2
PATHOLOGY	79	98	100	24.1	2.0	59	77	65	30.5	-15.6	38	65	88	71.1	35.4
PHARMACOLOGY	77	92	103	19.5	12.0	132	130	122	-1.5	-6.2	31	45	57	45.2	26.7
PHYSIOLOGY	123	162	160	31.7	-1.2	113	120	122	6.2	1.7	66	66	98	.0	48.5
ZOOLOGY	33	57	47	72.7	-17.5	118	80	45	-32.2	-43.8	20	43	46	115.0	7.0
BIOSCIENCES, NEC.	23	29	31	26.1	6.9	16	23	30	43.8	30.4	27	32	32	18.5	.0
HEALTH SCIENCES	1,037	1,142	1,112	10.1	-2.6	434	520	502	19.8	-3.5	949	1,118	1,389	17.8	24.2
ANESTHESIOLOGY	12	10	6	-16.7	-40.0	0	10	7	**	-30.0	42	9	25	-78.6	177.8
CARDIOLOGY	134	129	93	-3.7	-27.9	39	40	53	2.6	32.5	82	92	121	12.2	31.5
CLINICAL PHARMACOLOGY	24	11	39	-54.2	254.5	1	3	0	200.0	-100.0	11	2	11	-81.8	450.0
DENTISTRY	13	30	35	130.8	16.7	1	4	10	300.0	150.0	14	43	115	207.1	167.4
ENDOCRINOLOGY	35	56	50	60.0	-10.7	19	30	19	57.9	-36.7	30	54	46	80.0	-14.8
GASTROENTEROLOGY	50	49	47	-2.0	-4.1	6	9	10	50.0	11.1	47	40	47	-14.9	17.5
HEMATOLOGY	62	59	50	-4.8	-15.3	17	20	18	17.6	-10.0	25	38	39	52.0	2.6
NEUROLOGY	23	31	59	34.8	90.3	29	12	14	-58.6	16.7	21	30	35	42.9	16.7
NURSING	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
OBSTETRICS/GYNECOLOGY	25	38	34	52.0	-10.5	11	10	6	-9.1	-40.0	53	49	44	-7.5	-10.2
OPHTHALMOLOGY	18	24	28	33.3	16.7	6	7	4	16.7	-42.9	17	22	17	29.4	-22.7
OTORHINOLARYNGOLOGY	16	1	5	-93.8	400.0	6	4	5	-33.3	25.0	6	14	9	133.3	-35.7
PEDIATRICS	115	112	67	-2.6	-40.2	18	32	26	77.8	-18.8	101	101	135	.0	33.7
PHARMACEUTICAL SCIENCES	39	39	42	.0	7.7	129	121	122	-6.2	.8	26	32	56	23.1	75.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	49	61	49	24.5	-19.7	9	17	10	88.9	-41.2	11	43	19	290.9	-55.8
PSYCHIATRY	93	86	78	-7.5	-9.3	10	6	6	-40.0	.0	49	65	46	32.7	-29.2
PULMONARY DISEASE	39	50	42	28.2	-16.0	6	9	4	50.0	-55.6	40	53	73	32.5	37.7
RADIOLOGY	26	49	26	88.5	-46.9	16	23	19	43.8	-17.4	6	5	14	-16.7	180.0
SPEECH PATH/AUDIOLOGY	6	5	11	-16.7	120.0	3	8	6	166.7	-25.0	4	2	13	-50.0	550.0
SURGERY	27	32	38	18.5	18.8	19	47	54	147.4	14.9	47	76	106	61.7	39.5
VETERINARY SCIENCES	8	5	7	-37.5	40.0	20	23	26	15.0	13.0	8	28	34	250.0	21.4
CLINICAL MEDICINE, NEC.	223	256	269	14.8	5.1	61	78	82	27.9	5.1	309	318	382	2.9	20.1
HEALTH RELATED, NEC.	0	9	37	**	311.1	8	7	1	-12.5	-85.7	0	2	2	**	.0
PSYCHOLOGY	50	62	52	24.0	-16.1	57	45	50	-21.1	11.1	51	33	38	-35.3	15.2
SOCIAL SCIENCES	14	38	49	171.4	28.9	65	57	41	-12.3	-28.1	75	96	112	28.0	16.7
AGRICULTURAL ECONOMICS	0	3	0	**	-100.0	19	18	7	-5.3	-61.1	7	8	21	14.3	162.5
ANTHROPOLOGY	6	12	15	100.0	25.0	7	3	0	-57.1	-100.0	10	13	25	30.0	92.3
ECONOMICS (EXCEPT AGRICULTURAL)	3	0	0	-100.0	**	7	5	4	-28.6	-20.0	13	16	14	23.1	-12.5
GEOGRAPHY	1	1	0	.0	-100.0	1	0	4	-100.0	**	4	7	4	75.0	-42.9
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	2	**	**	0	0	2	**	**	0	1	0	**	-100.0
LINGUISTICS	0	2	0	**	-100.0	5	4	2	-20.0	-50.0	6	17	21	183.3	23.5
POLITICAL SCIENCE	0	0	4	**	**	4	8	5	100.0	-37.5	7	11	12	57.1	9.1
SOCIOLOGY	3	16	28	433.3	75.0	19	19	13	.0	-31.6	20	20	5	.0	-75.0
SOCIOLOGY/ANTHROPOLOGY	0	0	0	**	**	0	0	1	**	**	1	3	3	200.0	.0
SOCIAL SCIENCES, NEC.	1	4	0	300.0	-100.0	3	0	3	-100.0	**	7	0	7	-100.0	**

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-54. POSTDOCTORALS IN PRIVATELY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF SUPPORT: 1975-77

FIELD OF SCIENCE	FEDERAL										NON-FEDERAL				
	FELLOWSHIPS AND TRAINEESHIPS					RESEARCH ASSOCIATES									
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	2,545	2,843	3,000	11.7	5.5	2,846	3,122	3,178	9.7	1.8	2,309	2,655	2,993	15.0	12.7
ENGINEERING	47	98	118	108.5	20.4	376	363	348	-3.5	-4.1	136	155	130	14.0	-16.1
AERONAUTICAL	5	7	9	40.0	28.6	15	26	36	73.3	38.5	13	16	4	23.1	-75.0
AGRICULTURAL	0	0	1	**	**	4	5	0	25.0	-100.0	3	1	0	-66.7	-100.0
BIOMEDICAL	7	20	25	185.7	25.0	7	3	10	-57.1	233.3	9	17	24	88.9	41.2
CHEMICAL	2	6	14	200.0	133.3	45	58	41	28.9	-29.3	29	23	14	-20.7	-39.1
CIVIL	5	9	7	80.0	-22.2	25	35	46	40.0	31.4	17	12	19	-29.4	58.3
ELECTRICAL	5	11	8	120.0	-27.3	62	70	64	12.9	-8.6	8	11	7	37.5	-36.4
ENGINEERING SCIENCE	8	41	39	412.5	-4.9	72	27	22	-62.5	-18.5	6	9	7	50.0	-22.2
INDUSTRIAL	0	0	0	**	**	13	4	2	-69.2	-50.0	5	8	9	60.0	12.5
MECHANICAL	0	0	0	**	**	31	38	34	22.6	-10.5	9	17	15	88.9	-11.8
METALLURGICAL/MATERIALS	13	4	15	-69.2	275.0	79	71	69	-10.1	-2.8	26	31	21	19.2	-32.3
MINING	0	0	0	**	**	7	7	6	.0	-14.3	1	0	1	-100.0	**
NUCLEAR	0	0	0	**	**	15	9	4	-40.0	-55.6	3	6	5	100.0	-16.7
PETROLEUM	0	0	0	**	**	0	2	0	**	-100.0	1	0	1	-100.0	**
ENGINEERING, NEC.	2	0	0	-100.0	**	1	8	14	700.0	75.0	6	4	3	-33.3	-25.0
PHYSICAL SCIENCES	261	241	287	-7.7	19.1	970	1,090	1,087	12.4	-.3	370	339	388	-8.4	14.5
ASTRONOMY	12	11	13	-8.3	18.2	23	40	37	73.9	-7.5	14	16	24	14.3	50.0
CHEMISTRY	189	155	175	-18.0	12.9	498	635	608	27.5	-4.3	284	241	262	-15.1	8.7
PHYSICS	60	75	99	25.0	32.0	449	415	442	-7.6	6.5	72	82	102	13.9	24.4
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	15	23	21	53.3	-8.7	50	97	78	94.0	-19.6	29	38	28	31.0	-26.3
ATMOSPHERIC SCIENCES	0	1	0	**	-100.0	7	12	8	71.4	-33.3	3	1	0	-66.7	-100.0
GEOSCIENCES	13	21	21	61.5	.0	42	83	68	97.6	-18.1	21	32	17	52.4	-46.9
OCEANOGRAPHY	2	1	0	-50.0	-100.0	1	2	2	100.0	.0	5	4	9	-20.0	125.0
ENVIRONMENTAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**	0	1	2	**	100.0
MATHEMATICAL SCIENCES	10	14	8	40.0	-42.9	42	51	52	21.4	2.0	21	43	29	104.8	-32.6
COMPUTER SCIENCE	2	4	4	100.0	.0	19	23	25	21.1	8.7	3	6	3	100.0	-50.0
MATHEMATICS AND APPLIED MATHEMATICS	7	10	4	42.9	-60.0	22	27	26	22.7	-3.7	17	33	25	94.1	-24.2
STATISTICS	1	0	0	-100.0	**	1	1	1	.0	.0	1	4	1	300.0	-75.0
LIFE SCIENCES	2,116	2,343	2,453	10.7	4.7	1,348	1,444	1,533	7.1	6.2	1,577	1,885	2,208	19.5	17.1
AGRICULTURAL SCIENCES	0	1	0	**	-100.0	7	15	9	114.3	-40.0	14	11	10	-21.4	-9.1
BIOLOGICAL SCIENCES	1,038	1,254	1,215	20.8	-3.1	950	1,030	1,135	8.4	10.2	643	652	719	1.4	10.3
ANATOMY	43	39	43	-9.3	10.3	18	22	31	22.2	40.9	18	24	27	33.3	12.5
BIOCHEMISTRY	176	172	157	-2.3	-8.7	317	336	357	6.0	6.3	108	130	127	20.4	-2.3
BIOLOGY	183	249	214	36.1	-14.1	132	162	194	22.7	19.8	198	122	147	-38.4	20.5
BIOMETRY/EPIDEMIOLOGY	2	1	1	-50.0	.0	1	1	0	.0	-100.0	4	5	16	25.0	220.0
BIOPHYSICS	88	94	93	6.8	-1.1	35	49	57	40.0	16.3	21	15	14	-28.6	-6.7
BOTANY	2	4	0	100.0	-100.0	10	6	11	-40.0	83.3	4	5	4	25.0	-20.0
CELL BIOLOGY	52	58	57	11.5	-1.7	41	48	40	17.1	-16.7	28	30	38	7.1	26.7
ECOLOGY	9	2	0	-77.8	-100.0	12	0	2	-100.0	**	3	0	0	-100.0	**
ENTOMOLOGY/PARASITOLOGY	1	4	8	300.0	100.0	0	4	5	**	25.0	2	2	2	.0	.0
GENETICS	35	50	39	42.9	-22.0	24	25	34	4.2	36.0	10	21	21	110.0	.0
MICROBIOLOGY	98	127	135	29.6	6.3	103	105	98	1.9	-6.7	75	83	102	10.7	22.9
NUTRITION	30	29	41	-3.3	41.4	36	37	32	2.8	-13.5	34	50	32	47.1	-36.0
PATHOLOGY	109	142	180	30.3	26.8	68	75	63	10.3	-16.0	56	57	85	1.8	49.1
PHARMACOLOGY	77	123	115	59.7	-6.5	73	77	89	5.5	15.6	31	51	54	64.5	5.9
PHYSIOLOGY	113	136	110	20.4	-19.1	66	75	105	13.6	40.0	41	40	37	-2.4	-7.5
ZOOLOGY	8	8	7	.0	-12.5	8	5	8	-37.5	60.0	6	8	4	33.3	-50.0
BIOSCIENCES, NEC.	12	16	15	33.3	-6.3	6	3	9	-50.0	200.0	4	9	9	125.0	.0
HEALTH SCIENCES	1,078	1,088	1,238	.9	13.8	391	399	389	2.0	-2.5	920	1,222	1,479	32.8	21.0
ANESTHESIOLOGY	23	21	14	-8.7	-33.3	2	2	6	.0	200.0	16	12	17	-25.0	41.7
CARDIOLOGY	94	78	70	-17.0	-10.3	13	19	22	46.2	15.8	108	140	151	29.6	7.9
CLINICAL PHARMACOLOGY	8	8	4	.0	-50.0	10	10	12	.0	20.0	5	9	16	80.0	77.8
DENTISTRY	1	10	16	900.0	60.0	1	0	0	-100.0	**	6	13	38	116.7	192.3
ENDOCRINOLOGY	33	47	47	42.4	.0	13	15	13	15.4	-13.3	26	38	52	46.2	36.8
GASTROENTEROLOGY	40	24	29	-40.0	20.8	5	6	10	20.0	66.7	36	43	58	19.4	34.9
HEMATOLOGY	54	78	59	44.4	-24.4	9	23	37	155.6	60.9	33	58	49	75.8	-15.5
NEUROLOGY	78	77	76	-1.3	-1.3	26	25	21	-3.8	-16.0	25	40	74	60.0	85.0
NURSING	16	1	0	-93.8	-100.0	0	0	0	**	**	0	0	0	**	**
OBSTETRICS/GYNECOLOGY	33	20	26	-39.4	30.0	14	12	12	-14.3	.0	38	57	50	50.0	-12.3
OPHTHALMOLOGY	31	66	78	112.9	18.2	9	11	22	22.2	100.0	23	33	37	43.5	12.1
OTORHINOLARYNGOLOGY	7	6	0	-14.3	-100.0	2	6	7	200.0	16.7	5	10	4	100.0	-60.0
PEDIATRICS	130	142	161	9.2	13.4	35	36	36	2.9	.0	93	133	155	43.0	16.5
PHARMACEUTICAL SCIENCES	0	0	0	**	**	7	9	8	28.6	-11.1	0	1	6	**	500.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	23	25	37	8.7	48.0	0	0	1	**	**	9	17	24	88.9	41.2
PSYCHIATRY	88	77	126	-12.5	63.6	21	41	26	95.2	-36.6	35	49	84	40.0	71.4
PULMONARY DISEASE	30	37	41	23.3	10.8	8	13	18	62.5	38.5	41	64	62	56.1	-3.1
RADIOLOGY	30	35	24	16.7	-31.4	43	33	32	-23.3	-3.0	39	17	61	-56.4	258.8
SPEECH PATH/AUDIOLOGY	0	1	0	**	-100.0	0	0	0	**	**	0	0	0	**	**
SURGERY	91	94	87	3.3	-7.4	50	35	33	-30.0	-5.7	99	119	131	20.2	10.1
VETERINARY SCIENCES	9	1	9	-88.9	800.0	8	10	15	25.0	50.0	10	14	7	40.0	-50.0
CLINICAL MEDICINE, NEC.	253	237	326	-6.3	37.6	115	90	56	-21.7	-37.8	273	354	401	29.7	13.3
HEALTH RELATED, NEC.	6	3	8	-50.0	166.7	0	3	2	**	-33.3	0	1	2	**	100.0
PSYCHOLOGY	63	82	73	30.2	-11.0	36	51	53	41.7	3.9	117	110	119	-6.0	8.2
SOCIAL SCIENCES	33	42	40	27.3	-4.8	24	26	27	8.3	3.8	59	85	91	44.1	7.1
AGRICULTURAL ECONOMICS	0	0	0	**	**	1	2	0	100.0	-100.0	0	0	0	**	**
ANTHROPOLOGY	1	10	5	900.0	-50.0	5	2	4	-60.0	100.0	4	5	4	25.0	-20.0
ECONOMICS (EXCEPT AGRICULTURAL)	2	5	4	150.0	-20.0	3	4	5	33.3	25.0	16	26	39	62.5	50.0
GEOGRAPHY	0	0	0	**	**	0	0	0	**	**	1	4	1	300.0	-75.0
HISTORY AND PHILOSOPHY OF SCIENCE	1	0	1	-100.0	**	0	1	1	**	.0	5	10	16	100.0	60.0
LINGUISTICS	4	3	3	-25.0	.0	3	2	2	-33.3	.0	7	7	2	.0	-71.4
POLITICAL SCIENCE	0	2	5	**	150.0	0	1	2	**	100.0	8	9	8	12.5	-11.1
SOCIOLOGY	17	21	22	23.5	4.8	12	14	12	16.7	-14.3	16	24	20	50.0	-16.7
SOCIOLOGY/ANTHROPOLOGY	0	0	0	**	**	0	0	0	**	**	1	0	0	-100.0	**
SOCIAL SCIENCES, NEC.	8	1	0	-87.5	-100.0	0	0	1	**	**	1	0	1	-100.0	**

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE B-55. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1977

INSTITUTION	TOTAL	FULL TIME	PART TIME	POST-DOCTORALS
TOTAL, ALL INSTITUTIONS	306,710	218,226	88,484	19,748
1 UNIVERSITY OF SOUTHERN CALIFORNIA	8,395	2,986	5,409	299
GRADUATE SCHOOL	8,259	2,861	5,398	95
SCHOOL OF MEDICINE	136	125	11	204
2 UNIVERSITY OF CALIF AT BERKELEY	5,490	5,271	219	444
3 UNIVERSITY OF WISCONSIN - MADISON	5,260	4,686	574	398
GRADUATE SCHOOL	4,980	4,420	560	257
MEDICAL SCHOOL	280	266	14	141
4 UNIVERSITY OF MINNESOTA	4,739	4,001	738	315
GRADUATE SCHOOL	3,999	3,363	636	121
MINNEAPOLIS MEDICAL SCHOOL	596	494	102	86
MAYO GRADUATE SCHOOL OF MEDICINE	144	144	0	108
5 NEW YORK UNIVERSITY	4,688	1,631	3,057	132
GRADUATE SCHOOL	4,459	1,478	2,981	52
SCHOOL OF MEDICINE	229	153	76	80
6 OHIO STATE UNIVERSITY	4,619	3,876	743	269
GRADUATE SCHOOL	4,420	3,701	719	151
COLLEGE OF MEDICINE	199	175	24	118
7 UNIVERSITY OF MICHIGAN AT ANN ARBOR	4,388	4,141	247	218
GRADUATE SCHOOL	4,164	3,946	218	85
MEDICAL SCHOOL	224	195	29	133
8 UNIVERSITY OF WASHINGTON	4,328	3,583	745	412
GRADUATE SCHOOL	4,062	3,337	725	159
SCHOOL OF MEDICINE	266	246	20	253
9 RUTGERS THE STATE UNIVERSITY	4,267	1,894	2,373	91
GRADUATE SCHOOL AT NEW BRUNSWICK	3,577	1,698	1,879	83
GRADUATE SCHOOL AT NEWARK	690	196	494	8
10 UNIVERSITY OF ILLINOIS - URBANA	4,266	3,954	312	222
TOTAL, 1ST 10 INSTITUTIONS	50,440	36,023	14,417	2,800
11 UNIVERSITY OF CALIF AT LOS ANGELES	4,041	3,895	146	436
GRADUATE SCHOOL	3,821	3,681	140	215
SCHOOL OF MEDICINE	220	214	6	221
12 PURDUE UNIVERSITY	3,613	3,088	525	169
13 MASSACHUSETTS INSTITUTE OF TECHNOLOGY	3,580	3,561	19	436
14 UNIV OF TEXAS AT AUSTIN	3,476	2,943	533	166
15 MICHIGAN STATE UNIVERSITY	3,436	3,031	405	121
16 UNIVERSITY OF TENNESSEE AT KNOXVILLE	3,305	2,487	818	71
17 STANFORD UNIVERSITY	3,280	3,031	249	507
GRADUATE SCHOOL	3,100	2,864	236	164
SCHOOL OF MEDICINE	180	167	13	343
18 PENNSYLVANIA STATE UNIVERSITY	3,274	2,387	887	105
GRADUATE SCHOOL	3,193	2,309	884	63
COLLEGE OF MEDICINE	81	78	3	42
19 TEXAS A & M UNIVERSITY	3,063	2,411	652	146
20 UNIVERSITY OF PITTSBURGH	2,994	1,571	1,423	187
GRADUATE SCHOOL	2,902	1,486	1,416	84
SCHOOL OF MEDICINE	92	85	7	103
TOTAL, 1ST 20 INSTITUTIONS	84,502	64,428	20,074	5,144

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TABLE B-55. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1977

- CONTINUED

INSTITUTION	TOTAL	FULL TIME	PART TIME	POST-DOCTORALS
21 UNIVERSITY OF MARYLAND - COLLEGE PARK	2,982	1,428	1,554	112
22 NORTHEASTERN UNIVERSITY	2,980	724	2,256	28
23 GEORGE WASHINGTON UNIVERSITY	2,883	816	2,067	66
GRADUATE SCHOOL	2,743	709	2,034	18
SCHOOL OF MEDICINE AND HEALTH SCIENCES	140	107	33	48
24 UNIVERSITY OF ARIZONA	2,864	2,213	651	176
GRADUATE SCHOOL	2,768	2,121	647	107
COLLEGE OF MEDICINE	96	92	4	69
25 COLUMBIA UNIV MAIN DIVISION	2,801	2,141	660	385
GRADUATE SCHOOL	2,362	1,824	538	157
COLLEGE OF PHYS AND SURGEONS	439	317	122	228
26 CORNELL UNIVERSITY	2,663	2,644	19	478
GRADUATE SCHOOL	2,592	2,586	6	357
MEDICAL COLLEGE	71	58	13	121
27 POLYTECHNIC INSTITUTE OF NEW YORK	2,395	381	2,014	16
28 UNIVERSITY OF CALIF AT DAVIS	2,392	2,276	116	108
GRADUATE SCHOOL	2,357	2,243	114	94
SCHOOL OF MEDICINE	35	33	2	14
29 IOWA STATE UNIVERSITY OF SCI & TECH	2,355	1,784	571	60
30 UNIVERSITY OF FLORIDA	2,326	2,030	296	157
GRADUATE SCHOOL	2,200	1,916	284	90
COLLEGE OF MEDICINE	126	114	12	67
TOTAL, 1ST 30 INSTITUTIONS	111,143	80,865	30,278	6,730
31 UNIVERSITY OF COLORADO	2,321	2,036	285	119
32 UNIV OF NORTH CAROLINA AT CHAPEL HILL	2,314	2,091	223	172
GRADUATE SCHOOL	2,075	1,864	211	50
SCHOOL OF MEDICINE	239	227	12	122
33 CATHOLIC UNIVERSITY OF AMERICA	2,239	994	1,245	15
34 WAYNE STATE UNIVERSITY	2,206	1,541	665	59
GRADUATE SCHOOL	1,994	1,368	626	38
SCHOOL OF MEDICINE	212	173	39	21
35 HARVARD UNIVERSITY	2,201	2,142	59	1,064
GRADUATE SCHOOL	1,577	1,571	6	250
SCHOOL OF PUBLIC HEALTH	364	316	48	65
HARVARD MEDICAL SCHOOL	260	255	5	749
36 SYRACUSE UNIVERSITY	2,187	1,349	838	30
37 VIRGINIA POLYTECHNIC INST AND STATE UNIV	2,187	1,540	647	50
38 UNIVERSITY OF PENNSYLVANIA	2,186	1,747	439	370
GRADUATE SCHOOL	1,929	1,499	430	88
SCHOOL OF MEDICINE	257	248	9	282
39 AMERICAN UNIVERSITY	2,169	712	1,457	6
40 UNIVERSITY OF MISSOURI - COLUMBIA	2,161	1,731	430	83
GRADUATE SCHOOL	2,161	1,731	430	54
SCHOOL OF MEDICINE	0	0	0	29
TOTAL, 1ST 40 INSTITUTIONS	133,314	96,748	36,566	8,698

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TABLE B-55. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1977

- CONTINUED

INSTITUTION	TOTAL	FULL TIME	PART TIME	POST-DOCTORALS
41 UNIVERSITY OF KANSAS	2,136	1,682	454	121
GRADUATE SCHOOL	1,913	1,546	367	42
SCHOOL OF MEDICINE	223	136	87	79
42 SUNY - STONY BROOK	2,136	1,508	628	165
GRADUATE SCHOOL	2,089	1,461	628	123
SCHOOL OF MEDICINE	47	47	0	42
43 UNIVERSITY OF CINCINNATI	2,080	1,464	616	70
GRADUATE SCHOOL	1,798	1,244	554	35
COLLEGE OF MEDICINE	282	220	62	35
44 NORTH CAROLINA STATE UNIV AT RALEIGH	2,071	1,668	403	57
45 UNIVERSITY OF OKLAHOMA	2,049	1,289	760	69
GRADUATE SCHOOL	1,571	973	598	23
HEALTH SCIENCE CENTER, GRADUATE COLLEGE	478	316	162	46
46 SUNY - BUFFALO	2,009	1,481	528	96
GRADUATE SCHOOL	1,818	1,331	487	68
SCHOOL OF MEDICINE	191	150	41	28
47 SAN DIEGO STATE UNIVERSITY	1,986	1,285	701	7
48 WEST VIRGINIA UNIVERSITY	1,958	1,396	562	27
GRADUATE SCHOOL	1,861	1,305	556	21
SCHOOL OF MEDICINE	97	91	6	6
49 UNIVERSITY OF MASSACHUSETTS AT AMHERST	1,920	1,698	222	66
50 INDIANA UNIVERSITY - BLOOMINGTON	1,858	1,485	373	65
TOTAL, 1ST 50 INSTITUTIONS	153,517	111,704	41,813	9,441
51 UNIVERSITY OF WISCONSIN - MILWAUKEE	1,858	1,039	819	25
52 TEXAS WOMAN'S UNIVERSITY	1,844	691	1,153	0
53 UNIVERSITY OF SOUTH CAROLINA	1,796	1,098	698	27
54 COLORADO STATE UNIVERSITY	1,795	1,584	211	144
55 BOSTON UNIVERSITY	1,778	1,263	515	110
GRADUATE SCHOOL	1,366	1,026	340	39
SCHOOL OF MEDICINE	412	237	175	71
56 UNIVERSITY OF HOUSTON	1,741	1,015	726	50
57 CUNY GRADUATE SCHOOL AND UNIV CENTER	1,682	1,533	149	42
58 UNIVERSITY OF CONNECTICUT	1,668	1,381	287	25
59 UNIVERSITY OF UTAH	1,668	1,295	373	177
GRADUATE SCHOOL	1,543	1,184	359	86
COLLEGE OF MEDICINE	125	111	14	91
60 UNIVERSITY OF IOWA	1,651	1,317	334	188
GRADUATE SCHOOL	1,205	942	263	36
COLLEGE OF MEDICINE	446	375	71	152
TOTAL, 1ST 60 INSTITUTIONS	170,998	123,920	47,078	10,229
61 CASE WESTERN RESERVE UNIVERSITY	1,648	1,292	356	167
GRADUATE SCHOOL	1,474	1,124	350	82
SCHOOL OF MEDICINE	174	168	6	85
62 UNIV OF TEXAS AT DALLAS	1,626	487	1,139	21
63 GEORGIA INSTITUTE OF TECHNOLOGY	1,597	1,156	441	42
64 OREGON STATE UNIVERSITY	1,591	1,416	175	74
65 UNIVERSITY OF CHICAGO	1,572	1,485	87	386
GRADUATE SCHOOL	1,572	1,485	87	269
PRITZKER SCHOOL OF MEDICINE	0	0	0	117
66 UNIVERSITY OF KENTUCKY	1,559	1,272	287	74
GRADUATE SCHOOL	1,471	1,186	285	44
COLLEGE OF MEDICINE	88	86	2	30
67 UNIVERSITY OF HAWAII AT MANOA	1,543	1,373	170	36
GRADUATE SCHOOL	1,425	1,255	170	25
JOHN A. BURNS SCHOOL OF MEDICINE	118	118	0	11
68 UNIVERSITY OF ILLINOIS - CHICAGO CIRCLE	1,537	1,183	354	17
69 ARIZONA STATE UNIVERSITY	1,536	987	549	28
70 UNIVERSITY OF GEORGIA	1,519	1,430	89	88
TOTAL, 1ST 70 INSTITUTIONS	186,726	136,001	50,725	11,162

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TABLE B-55. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1977

- CONTINUED

INSTITUTION	TOTAL	FULL TIME	PART TIME	POST-DOCTORALS
71 FLORIDA STATE UNIVERSITY	1,497	1,290	207	57
72 OKLAHOMA STATE UNIVERSITY	1,496	1,275	221	39
73 UNIV OF TEXAS AT ARLINGTON	1,476	746	730	12
74 WASHINGTON UNIVERSITY	1,471	1,263	208	313
GRADUATE SCHOOL	1,246	1,045	201	20
SCHOOL OF MEDICINE	225	218	7	293
75 WASHINGTON STATE UNIVERSITY	1,464	1,257	207	29
76 ILLINOIS INSTITUTE OF TECHNOLOGY	1,458	406	1,052	14
77 COLUMBIA UNIV TEACHERS COLLEGE	1,443	654	789	0
78 LOUISIANA STATE UNIVERSITY SYSTEM	1,409	1,106	303	141
GRADUATE SCHOOL IN BATON ROUGE	1,313	1,016	297	65
SCHOOL OF MEDICINE IN SHREVEPORT	17	15	2	1
MEDICAL CENTER AT NEW ORLEANS	79	75	4	75
79 TEMPLE UNIVERSITY	1,408	883	525	84
GRADUATE SCHOOL	1,263	753	510	25
SCHOOL OF MEDICINE	145	130	15	59
80 JOHNS HOPKINS UNIVERSITY	1,382	1,185	197	432
GRADUATE SCHOOL	690	650	40	130
SCHOOL OF HYGIENE AND PUBLIC HEALTH	588	450	138	42
SCHOOL OF MEDICINE	104	85	19	260
TOTAL, 1ST 80 INSTITUTIONS	201,230	146,066	55,164	12,283
81 YALE UNIVERSITY	1,355	1,330	25	572
GRADUATE SCHOOL	993	974	19	158
SCHOOL OF MEDICINE	362	356	6	414
82 NEW SCHOOL FOR SOCIAL RESEARCH	1,337	242	1,095	0
83 VIRGINIA COMMONWEALTH UNIVERSITY	1,333	945	388	97
GRADUATE SCHOOL	916	587	329	0
MEDICAL COLLEGE OF VIRGINIA	417	358	59	97
84 KANSAS STATE UNIV OF AGR & APPLIED SCI	1,328	1,089	239	37
85 RENSSELAER POLYTECHNIC INSTITUTE	1,305	1,000	305	61
86 FLORIDA INSTITUTE OF TECHNOLOGY	1,298	329	969	1
87 UNIVERSITY OF VIRGINIA	1,281	1,104	177	135
GRADUATE SCHOOL	1,045	884	161	54
SCHOOL OF MEDICINE	236	220	16	81
88 UNIVERSITY OF NEBRASKA - LINCOLN	1,271	935	336	66
89 NORTHWESTERN UNIVERSITY	1,234	1,133	101	191
GRADUATE SCHOOL	1,106	1,013	93	108
MEDICAL SCHOOL	128	120	8	83
90 UNIVERSITY OF MARYLAND - BALT PROF SCH	1,172	767	405	32
TOTAL, 1ST 90 INSTITUTIONS	214,144	154,940	59,204	13,475
91 UNIVERSITY OF NEW MEXICO	1,165	747	418	26
GRADUATE SCHOOL	1,122	709	413	12
SCHOOL OF MEDICINE	43	38	5	14
92 UNIVERSITY OF CALIF AT SAN DIEGO	1,142	1,059	83	299
GRADUATE SCHOOL	1,064	981	83	152
SCHOOL OF MEDICINE	78	78	0	147
93 NORTHERN ILLINOIS UNIVERSITY	1,138	650	488	5
94 UNIVERSITY OF CALIF AT SANTA BARBARA	1,084	1,021	63	49
95 UNIVERSITY OF DENVER	1,067	857	210	13
96 HOWARD UNIVERSITY	1,067	767	300	14
GRADUATE SCHOOL	964	669	295	5
COLLEGE OF MEDICINE	103	98	5	9
97 US INTERNATIONAL UNIVERSITY	1,048	730	318	0
98 UNIVERSITY OF RHODE ISLAND	1,039	722	317	25
99 STEVENS INSTITUTE OF TECHNOLOGY	1,016	207	809	8
100 CARNEGIE-MELLON UNIVERSITY	1,000	730	270	72
TOTAL, 1ST 100 INSTITUTIONS	224,910	162,430	62,480	13,986

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TABLE B-55. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1977

- CONTINUED

INSTITUTION	TOTAL	FULL TIME	PART TIME	POST-DOCTORALS
101 UNIVERSITY OF ROCHESTER	996	860	136	154
GRADUATE SCHOOL	713	628	85	83
SCHOOL OF MEDICINE	283	232	51	71
102 UNIVERSITY OF PUERTO RICO - RIO PIEDRAS	986	580	406	40
103 UNIVERSITY OF SOUTH FLORIDA	969	640	329	5
GRADUATE SCHOOL	950	622	328	5
COLLEGE OF MEDICINE	19	18	1	0
104 UNIVERSITY OF LOUISVILLE	955	541	414	22
GRADUATE SCHOOL	767	410	357	6
SCHOOL OF MEDICINE	188	131	57	16
105 TEXAS TECH UNIVERSITY	951	820	131	21
GRADUATE SCHOOL	903	777	126	10
SCHOOL OF MEDICINE	48	43	5	11
106 UNIVERSITY OF DELAWARE	943	653	290	51
107 UNIVERSITY OF IDAHO	940	590	350	44
108 UTAH STATE UNIVERSITY	940	733	207	10
109 WESTERN MICHIGAN UNIVERSITY	938	643	295	1
110 CLEMSON UNIVERSITY	930	729	201	9
TOTAL, 1ST 110 INSTITUTIONS	234,458	169,219	65,239	14,343
111 DUKE UNIVERSITY	895	844	51	272
GRADUATE SCHOOL	694	644	50	61
SCHOOL OF MEDICINE	201	200	1	211
112 KENT STATE UNIVERSITY	891	655	236	7
113 SUNY - BINGHAMTON	888	540	348	17
114 PRINCETON UNIVERSITY	887	887	0	230
115 UNIVERSITY OF ARKANSAS	884	688	196	8
116 CLEVELAND STATE UNIVERSITY	884	182	702	0
117 WICHITA STATE UNIVERSITY	883	379	504	0
118 UNIVERSITY OF CALIF AT RIVERSIDE	872	827	45	59
119 THE UNIVERSITY OF ALABAMA IN BIRMINGHAM	866	560	306	199
GRADUATE SCHOOL	191	109	82	4
SCHOOL OF MEDICINE	675	451	224	195
120 DREXEL UNIVERSITY	866	331	535	29
TOTAL, 1ST 120 INSTITUTIONS	243,274	175,112	68,162	15,164
121 SOUTHERN ILLINOIS UNIV AT CARBONDALE	854	625	229	0
122 NORTH TEXAS STATE UNIVERSITY	843	520	323	9
123 UNIVERSITY OF OREGON	841	767	74	41
124 BRIGHAM YOUNG UNIVERSITY	836	715	121	9
125 NEW JERSEY INSTITUTE OF TECHNOLOGY	833	135	698	0
126 CALIFORNIA INSTITUTE OF TECHNOLOGY	831	817	14	205
127 UNIVERSITY OF AKRON	828	433	395	17
128 ST JOHN'S UNIVERSITY	814	273	541	0
129 ADELPHI UNIVERSITY	786	315	471	77
130 OLD DOMINION UNIVERSITY	784	401	383	16
TOTAL, 1ST 130 INSTITUTIONS	251,524	180,113	71,411	15,538

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TABLE B-55. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1977

- CONTINUED

INSTITUTION	TOTAL	FULL TIME	PART TIME	POST-DOCTORALS
131 UNIVERSITY OF LOWELL	775	185	590	0
132 FORDHAM UNIVERSITY	772	445	327	8
133 UNIV OF ILLINOIS MED CENTER - CHICAGO	768	597	171	57
134 THE UNIVERSITY OF ALABAMA	761	608	153	10
135 SOUTHERN METHODIST UNIVERSITY	750	317	433	7
136 UNIVERSITY OF MIAMI	744	573	171	106
GRADUATE SCHOOL	615	457	158	14
SCHOOL OF MEDICINE	129	116	13	92
137 GEORGIA STATE UNIVERSITY	741	426	315	7
138 ST LOUIS UNIVERSITY	734	515	219	51
GRADUATE SCHOOL	586	385	201	2
SCHOOL OF MEDICINE	148	130	18	49
139 UNIVERSITY OF DETROIT	733	335	398	0
140 UNIVERSITY OF MISSOURI - ROLLA	730	412	318	16
TOTAL, 1ST 140 INSTITUTIONS	259,032	184,526	74,506	15,800
141 AUBURN UNIVERSITY	726	635	91	35
142 GEORGETOWN UNIVERSITY	726	551	175	95
GRADUATE SCHOOL	542	385	157	21
SCHOOL OF MEDICINE	184	166	18	74
143 UNIVERSITY OF CALIF AT SAN FRANCISCO	725	672	53	559
144 MEMPHIS STATE UNIVERSITY	723	441	282	11
145 LONG ISLAND UNIV - BROOKLYN CENTER	711	297	414	0
146 UNIVERSITY OF MISSOURI - KANSAS CITY	707	199	508	4
147 SUNY - ALBANY	701	488	213	29
148 UNIVERSITY OF MISSISSIPPI	699	544	155	47
GRADUATE SCHOOL	637	485	152	12
SCHOOL OF MEDICINE	62	59	3	35
149 BOWLING GREEN STATE UNIVERSITY	695	553	142	4
150 US NAVAL POSTGRADUATE SCHOOL	693	693	0	0
TOTAL, 1ST 150 INSTITUTIONS	266,138	189,599	76,539	16,584
151 MISSISSIPPI STATE UNIVERSITY	678	564	114	17
152 UNIVERSITY OF WYOMING	675	595	80	11
153 LOYOLA UNIVERSITY OF CHICAGO	667	437	230	28
GRADUATE SCHOOL	569	352	217	0
STRITCH SCHOOL OF MEDICINE	98	85	13	28
154 WORCESTER POLYTECHNIC INSTITUTE	658	171	487	2
155 PORTLAND STATE UNIVERSITY	655	452	203	0
156 OHIO UNIVERSITY	651	540	111	7
157 UNIVERSITY OF CALIF AT IRVINE	644	607	37	80
GRADUATE SCHOOL	596	560	36	35
CALIFORNIA COLLEGE OF MEDICINE	48	47	1	45
158 UNIVERSITY OF SANTA CLARA	640	10	630	0
159 LEHIGH UNIVERSITY	637	379	258	21
160 RICE UNIVERSITY	635	599	36	74
TOTAL, 1ST 160 INSTITUTIONS	272,678	193,953	78,725	16,824

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TABLE B-55. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1977

- CONTINUED

INSTITUTION	TOTAL	FULL TIME	PART TIME	POST-DOCTORALS
161 LOMA LINDA UNIVERSITY	630	412	218	13
GRADUATE SCHOOL	560	364	196	0
SCHOOL OF MEDICINE	70	48	22	13
162 TULANE UNIVERSITY OF LOUISIANA	629	365	264	49
GRADUATE SCHOOL	565	309	256	2
SCHOOL OF MEDICINE	64	56	8	47
163 VILLANOVA UNIVERSITY	622	150	472	0
164 VANDERBILT UNIVERSITY	622	589	33	182
GRADUATE SCHOOL	490	458	32	47
SCHOOL OF MEDICINE	132	131	1	135
165 BROWN UNIVERSITY	620	546	74	73
166 UNIVERSITY OF DAYTON	601	198	403	1
167 NEW MEXICO STATE UNIVERSITY	596	432	164	21
168 BALL STATE UNIVERSITY	572	237	335	0
169 EAST TEXAS STATE UNIVERSITY	570	436	134	0
170 UNIVERSITY OF TOLEDO	566	224	342	4
TOTAL, 1ST 170 INSTITUTIONS	278,706	197,542	81,164	17,167
171 BOSTON COLLEGE	564	485	79	11
172 UNIVERSITY OF NOTRE DAME	562	476	86	26
173 THE UNIVERSITY OF ALABAMA IN HUNTSVILLE	539	153	386	7
174 DE PAUL UNIVERSITY	538	245	293	0
175 UNIVERSITY OF NEW HAMPSHIRE	517	438	79	11
176 MIAMI UNIVERSITY	516	453	63	1
177 MARQUETTE UNIVERSITY	510	296	214	14
178 ILLINOIS STATE UNIVERSITY	502	340	162	1
179 ATLANTA UNIVERSITY	494	416	78	0
180 NORTH DAKOTA STATE UNIVERSITY	491	328	163	6
TOTAL, 1ST 180 INSTITUTIONS	283,939	201,172	82,767	17,244
181 EMORY UNIVERSITY	489	351	138	55
GRADUATE SCHOOL	251	169	82	5
SCHOOL OF MEDICINE	238	182	56	50
182 UNIVERSITY OF NEVADA AT RENO	489	366	123	7
GRADUATE SCHOOL	439	336	103	6
SCHOOL OF MEDICINE	50	30	20	1
183 UNIVERSITY OF VERMONT & ST AGRIC COLLEGE	487	350	137	55
GRADUATE SCHOOL	416	283	133	8
COLLEGE OF MEDICINE	71	67	4	47
184 UNIVERSITY OF SOUTHERN MISSISSIPPI	481	374	107	0
185 UNIVERSITY OF NEW ORLEANS	471	277	194	24
186 UNIVERSITY OF MAINE AT ORONO	469	378	91	20
187 UNIV OF NORTH CAROLINA AT GREENSBORO	464	243	221	0
188 COLORADO SCHOOL OF MINES	463	350	113	0
189 TUFTS UNIVERSITY	463	345	118	118
GRADUATE SCHOOL	397	295	102	7
SCHOOL OF MEDICINE	66	50	16	111
190 STEPHEN F. AUSTIN STATE UNIVERSITY	454	371	83	2
TOTAL, 1ST 190 INSTITUTIONS	288,669	204,577	84,092	17,525

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TABLE B-55. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1977

- CONTINUED

INSTITUTION	TOTAL	FULL TIME	PART TIME	POST-DOCTORALS
191 UNIVERSITY OF NEBRASKA - OMAHA	446	245	201	0
192 AIR FORCE INSTITUTE OF TECHNOLOGY	390	390	0	0
193 UNIVERSITY OF MONTANA	388	370	18	12
194 NOVA UNIVERSITY	378	114	264	1
195 DUQUESNE UNIVERSITY	376	214	162	2
196 MONTANA STATE UNIVERSITY	375	347	28	35
197 UNION OF EXPERIMENTNG COLLEGES & UNIVS	363	363	0	0
198 YESHIVA UNIVERSITY	352	262	90	165
GRADUATE SCHOOL	234	144	90	3
ALBERT EINSTEIN COLLEGE OF MEDICINE	118	118	0	162
199 SUNY - COLL OF ENV SCIENCE AND FORESTRY	347	257	90	30
200 UNIVERSITY OF NORTH DAKOTA	345	279	66	17
GRADUATE SCHOOL	296	235	61	12
SCHOOL OF MEDICINE	49	44	5	5
TOTAL, 1ST 200 INSTITUTIONS	292,429	207,418	85,011	17,787
201 UNIVERSITY OF PUERTO RICO - MAYAGUEZ	344	239	105	0
202 UNIV OF TEXAS AT EL PASO	340	204	136	4
203 NORTHERN ARIZONA UNIVERSITY	335	216	119	0
204 INDIANA STATE UNIVERSITY	334	251	83	0
205 UNIVERSITY OF SOUTHWESTERN LOUISIANA	325	261	64	0
206 SETON HALL UNIVERSITY	324	90	234	0
207 HOFSTRA UNIVERSITY	321	219	102	0
208 UNIVERSITY OF MISSOURI - ST LOUIS	306	129	177	3
209 BRANDEIS UNIVERSITY	282	280	2	99
210 HAHNEMANN MEDICAL COLLEGE AND HOSPITAL	279	270	9	24
TOTAL, 1ST 210 INSTITUTIONS	295,619	209,577	86,042	17,917
211 UNIVERSITY OF PUERTO RICO MED SCI CAMPUS	276	250	26	2
212 CLAREMONT UNIV CENTER & GRADUATE SCHOOL	274	156	118	0
213 UNION COLLEGE	273	29	244	0
214 UNIVERSITY OF CALIF AT SANTA CRUZ	265	265	0	39
215 CALIF SCH OF PROF PSYCH - BERKELEY	255	245	10	3
216 IDAHO STATE UNIVERSITY	252	202	50	3
217 UNIVERSITY OF NEBRASKA MEDICAL CENTER	246	108	138	11
218 CLARK UNIVERSITY	243	196	47	4
219 CALIF SCH OF PROF PSYCH - SAN DIEGO	236	231	5	0
220 INDIANA-PURDUE UNIV AT INDIANAPOLIS	232	194	38	72
TOTAL, 1ST 220 INSTITUTIONS	298,171	211,453	86,718	18,051
221 UNIV OF TEXAS HLTH SCI CTR AT DALLAS	231	197	34	171
222 SOUTH DAKOTA STATE UNIVERSITY	229	182	47	1
223 UNIVERSITY OF ALASKA AT FAIRBANKS	228	190	38	8
224 MICHIGAN TECHNOLOGICAL UNIVERSITY	226	222	4	7
225 TEXAS CHRISTIAN UNIVERSITY	225	140	85	11
226 UNIVERSITY OF MARYLAND - BALTIMORE CNTY	221	106	115	7
227 DARTMOUTH COLLEGE	218	206	12	38
GRADUATE SCHOOL	189	180	9	13
SCHOOL OF MEDICINE	29	26	3	25
228 CALIF SCH OF PROF PSYCH - LOS ANGELES	216	193	23	0
229 CLARKSON COLLEGE OF TECHNOLOGY	212	167	45	25
230 SAM HOUSTON STATE UNIVERSITY	202	81	121	0
TOTAL, 1ST 230 INSTITUTIONS	300,379	213,137	87,242	18,319

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TABLE B-55. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1977

- CONTINUED

INSTITUTION	TOTAL	FULL TIME	PART TIME	POST-DOCTORALS
231 UNIV OF TEXAS HLTH SCI CTR AT HOUSTON	202	168	34	0
232 COLLEGE OF WILLIAM AND MARY	199	182	17	4
233 BAYLOR UNIVERSITY	196	171	25	7
234 OAKLAND UNIVERSITY	193	96	97	1
235 SOUTH DAKOTA SCHOOL OF MINES AND TECH	191	172	19	0
236 TENNESSEE TECHNOLOGICAL UNIVERSITY	185	99	86	0
237 UNIVERSITY OF TULSA	181	113	68	2
238 BRYN MAWR COLLEGE	176	75	101	0
239 UNIVERSITY OF COLORADO MEDICAL CENTER	168	155	13	118
240 THE WRIGHT INSTITUTE	162	154	8	2
TOTAL, 1ST 240 INSTITUTIONS	302,232	214,522	87,710	18,453
241 UNIVERSITY OF ARKANSAS - MED SCI CAMPUS	160	93	67	1
242 WAKE FOREST UNIVERSITY	160	116	44	27
GRADUATE SCHOOL	74	49	25	0
BOWMAN GRAY SCHOOL OF MEDICINE	86	67	19	27
243 UNIV OF TEXAS MED BRANCH AT GALVESTON	148	130	18	39
244 UNIVERSITY OF CONNECTICUT HEALTH CENTER	144	117	27	135
245 UNIVERSITY OF SOUTH DAKOTA	140	122	18	3
GRADUATE SCHOOL	124	106	18	1
SCHOOL OF MEDICINE	16	16	0	2
246 NORTHEAST LOUISIANA UNIVERSITY	139	116	23	0
247 UNIVERSITY OF TENNESSEE CTR HLTH SCIENCE	139	109	30	29
248 MEDICAL UNIVERSITY OF SOUTH CAROLINA	138	128	10	28
249 COLLEGE OF MED AND DENT OF NEW JERSEY	135	126	9	52
RUTGERS MEDICAL SCHOOL	63	60	3	46
GRADUATE SCHOOL OF BIOMEDICAL SCIENCES	72	66	6	6
250 BAYLOR COLLEGE OF MEDICINE	133	133	0	177
TOTAL, 1ST 250 INSTITUTIONS	303,668	215,712	87,956	18,944
251 FULLER THEOLOGICAL SEMINARY	132	132	0	0
252 NEW MEXICO INSTITUTE OF MINING AND TECH	130	123	7	0
253 ROSEMEAD GRADUATE SCHOOL OF PSYCHOLOGY	129	126	3	0
254 LOUISIANA TECH UNIVERSITY	125	99	26	1
255 CALIF SCH OF PROF PSYCH - FRESNO	123	121	2	0
256 GEORGE PEABODY COLLEGE FOR TEACHERS	119	83	36	0
257 ROCKEFELLER UNIVERSITY	111	101	10	172
258 WESLEYAN UNIVERSITY	109	99	10	12
259 UNIVERSITY OF NORTHERN COLORADO	108	83	25	1
260 RUSH UNIVERSITY	107	54	53	60
TOTAL, 1ST 260 INSTITUTIONS	304,861	216,733	88,128	19,190

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TABLE 8-55. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1977

- CONTINUED

INSTITUTION	TOTAL	FULL TIME	PART TIME	POST-DOCTORALS
261 LAMAR UNIVERSITY	104	53	51	1
262 NEW YORK MEDICAL COLLEGE	101	70	31	35
263 THOMAS JEFFERSON UNIVERSITY	96	70	26	29
264 MASSACHUSETTS COLLEGE OF PHARMACY	95	87	8	1
265 THE MEDICAL COLLEGE OF PENNSYLVANIA	94	58	36	8
266 UNIVERSITY OF THE PACIFIC	92	70	22	12
267 INSTITUTE OF PAPER CHEMISTRY	92	92	0	2
268 UNIVERSITY OF HEALTH SCIENCES	90	52	38	6
269 UNIV OF TEXAS HLTH SCI CTR SAN ANTONIO	90	85	5	65
270 SUNY - UPSTATE MEDICAL CENTER	87	68	19	63
TOTAL, 1ST 270 INSTITUTIONS	305,802	217,438	88,364	19,412
271 MEDICAL COLLEGE OF GEORGIA	78	62	16	6
272 SUNY - DOWNSTATE MEDICAL CENTER	75	74	1	91
273 CUNY MOUNT SINAI SCHOOL OF MEDICINE	73	72	1	95
274 UNIVERSITY OF OREGON HEALTH SCI CENTER	70	67	3	49
275 MEDICAL COLLEGE OF WISCONSIN	69	59	10	12
276 ALFRED UNIVERSITY	65	55	10	1
277 WOODS HOLE OCEANOGRAPHIC INSTITUTE	62	62	0	0
278 CREIGHTON UNIVERSITY	54	41	13	0
GRADUATE SCHOOL	35	22	13	0
SCHOOL OF MEDICINE	19	19	0	0
279 ALBANY MEDICAL COLLEGE	48	48	0	26
280 RAND GRADUATE INSTITUTE POLICY STUDIES	42	42	0	0
TOTAL, 1ST 280 INSTITUTIONS	306,438	218,020	88,418	19,692
281 PHILADELPHIA COLL OF PHARMACY AND SCI	41	29	12	0
282 MEHARRY MEDICAL COLLEGE	38	35	3	2
283 OREGON GRADUATE CENTER	36	33	3	14
284 UNIVERSITY OF DALLAS	32	32	0	0
285 ST BONAVENTURE UNIVERSITY	30	16	14	0
286 COOPER UNION	26	0	26	0
287 MEDICAL COLLEGE OF OHIO AT TOLEDO	19	17	2	7
288 INSTITUTE OF TEXTILE TECHNOLOGY	18	17	1	1
289 PROVIDENCE COLLEGE	10	5	5	0
290 SMITH COLLEGE	9	9	0	0
TOTAL, 1ST 290 INSTITUTIONS	306,697	218,213	88,484	19,716
291 UNIVERSITY OF MASSACHUSETTS AT WORCESTER	6	6	0	31
292 UNIVERSITY OF MINNESOTA - DULUTH	5	5	0	1
293 LOYOLA UNIVERSITY IN NEW ORLEANS	2	2	0	0

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-1. SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT AND POSTDOCTORALS: DEPARTMENTAL POPULATION AT MASTER'S-GRANTING INSTITUTIONS: 1975-77

FIELD OF SCIENCE	TOTAL			PUBLIC			PRIVATE		
	1975	1976	1977	1975	1976	1977	1975	1976	1977
TOTAL, ALL FIELDS	1,325	1,366	1,562	915	949	1,095	410	417	467
ENGINEERING	139	140	167	68	69	89	71	71	78
AERONAUTICAL	3	3	2	2	2	1	1	1	1
AGRICULTURAL	1	1	1	1	1	1	0	0	0
BIOMEDICAL	2	2	2	0	0	0	2	2	2
CHEMICAL	7	7	8	3	3	4	4	4	4
CIVIL	17	18	22	9	10	14	8	8	8
ELECTRICAL	25	25	31	11	11	16	14	14	15
ENGINEERING SCIENCE	8	8	11	1	1	4	7	7	7
INDUSTRIAL	19	19	23	8	8	10	11	11	13
MECHANICAL	18	17	21	7	6	8	11	11	13
METALLURGICAL/MATERIALS	5	5	5	3	3	3	2	2	2
MINING	5	5	4	5	5	4	0	0	0
NUCLEAR	2	2	2	0	0	0	2	2	2
PETROLEUM	1	1	1	1	1	1	0	0	0
ENGINEERING, NEC.	26	27	34	17	18	23	9	9	11
PHYSICAL SCIENCES	179	180	192	124	126	133	55	54	59
ASTRONOMY	0	0	0	0	0	0	0	0	0
CHEMISTRY	113	112	116	78	77	82	35	35	34
PHYSICS	58	59	64	41	42	42	17	17	22
PHYSICAL SCIENCES, NEC.	8	9	12	5	7	9	3	2	3
ENVIRONMENTAL SCIENCES	43	47	52	39	43	46	4	4	6
ATMOSPHERIC SCIENCES	0	0	1	0	0	1	0	0	0
GEOSCIENCES	28	29	30	26	27	29	2	2	1
OCEANOGRAPHY	2	4	4	2	4	3	0	0	1
ENVIRONMENTAL SCIENCES, NEC.	13	14	17	11	12	13	2	2	4
MATHEMATICAL SCIENCES	155	159	178	122	124	138	33	35	40
COMPUTER SCIENCE	21	23	30	11	11	16	10	12	14
MATHEMATICS AND APPLIED MATHEMATICS	131	133	145	109	111	120	22	22	25
STATISTICS	3	3	3	2	2	2	1	1	1
LIFE SCIENCES	308	318	374	215	224	269	93	94	105
AGRICULTURAL SCIENCES	21	22	24	19	20	22	2	2	2
BIOLOGICAL SCIENCES	207	208	238	149	152	178	58	56	60
ANATOMY	0	0	0	0	0	0	0	0	0
BIOCHEMISTRY	6	6	8	2	2	4	4	4	4
BIOLOGY	162	163	179	123	124	139	39	39	40
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0	0	0	0
BIOPHYSICS	1	0	0	0	0	0	1	0	0
BOTANY	6	6	5	4	4	3	2	2	2
CELL BIOLOGY	0	0	0	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0	0	0	0
GENETICS	1	1	1	0	0	0	1	1	1
MICROBIOLOGY	8	8	10	7	7	8	1	1	2
NUTRITION	4	5	8	4	5	8	0	0	0
PATHOLOGY	0	0	0	0	0	0	0	0	0
PHARMACOLOGY	1	1	3	0	0	1	1	1	2
PHYSIOLOGY	2	2	2	0	0	0	2	2	2
ZOOLOGY	4	4	4	2	2	2	2	2	2
BIOSCIENCES, NEC.	12	12	18	7	8	13	5	4	5
HEALTH SCIENCES	80	88	112	47	52	69	33	36	43
ANESTHESIOLOGY	0	0	1	0	0	0	0	0	1
CARDIOLOGY	0	0	0	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0
DENTISTRY	3	3	3	0	0	0	3	3	3
ENDOCRINOLOGY	0	0	0	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0	0	0	0
NURSING	10	14	17	7	8	11	3	6	6
OBSTETRICS/GYNECOLOGY	1	1	1	0	0	0	1	1	1
OPHTHALMOLOGY	3	3	3	1	1	1	2	2	2
OTORHINOLARYNGOLOGY	1	1	1	0	0	0	1	1	1
PEDIATRICS	1	1	1	0	0	0	1	1	1
PHARMACEUTICAL SCIENCES	3	2	5	0	0	0	3	2	5
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2	2	4	2	2	4	0	0	0
PSYCHIATRY	0	0	0	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0	0	0	0
RADIOLOGY	1	1	1	0	0	0	1	1	1
SPEECH PATHOLOGY/AUDIOLOGY	30	31	41	23	24	33	7	7	8
SURGERY	1	1	1	0	0	0	1	1	1
VETERINARY SCIENCES	1	1	1	0	0	0	1	1	1
CLINICAL MEDICINE, NEC.	1	2	2	0	1	1	1	1	1
HEALTH RELATED, NEC.	22	25	30	14	16	19	8	9	11
PSYCHOLOGY	155	158	177	100	101	116	55	57	61
SOCIAL SCIENCES	346	364	422	247	262	304	99	102	118
AGRICULTURAL ECONOMICS	2	2	2	2	2	2	0	0	0
ANTHROPOLOGY	13	13	16	12	12	15	1	1	1
ECONOMICS (EXCEPT AGRICULTURAL)	55	55	58	38	38	41	17	17	17
GEOGRAPHY	30	31	35	29	30	33	1	1	2
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0	0	0	0
LINGUISTICS	12	12	12	9	9	9	3	3	3
POLITICAL SCIENCE	117	128	151	73	83	96	44	45	55
SOCIOLOGY	63	67	77	48	51	60	15	16	17
SOCIOLOGY/ANTHROPOLOGY	3	3	4	1	1	1	2	2	3
SOCIAL SCIENCES, NEC.	51	53	67	35	36	47	16	17	20

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-2. GRADUATE STUDENTS IN ALL MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE, ENROLLMENT STATUS, AND SEX: 1977

FIELD OF SCIENCE	TOTAL			FULL TIME			PART TIME		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	56,268	34,636	21,632	19,976	11,802	8,174	36,292	22,834	13,458
ENGINEERING	5,193	4,902	291	954	892	62	4,239	4,010	229
AERONAUTICAL	22	22	0	9	9	0	13	13	0
AGRICULTURAL	8	6	2	8	6	2	0	0	0
BIOMEDICAL	30	26	4	0	0	0	30	26	4
CHEMICAL	138	131	7	38	35	3	100	96	4
CIVIL	796	720	76	153	137	16	643	583	60
ELECTRICAL	1,201	1,166	35	215	208	7	986	958	28
ENGINEERING SCIENCE	185	173	12	31	28	3	154	145	9
INDUSTRIAL	811	767	44	141	136	5	670	631	39
MECHANICAL	616	599	17	90	89	1	526	510	16
METALLURGICAL/MATERIALS	65	55	10	6	4	2	59	51	8
MINING	11	11	0	11	11	0	0	0	0
NUCLEAR	19	17	2	5	5	0	14	12	2
PETROLEUM	0	0	0	0	0	0	0	0	0
ENGINEERING, NEC.	1,291	1,209	82	247	224	23	1,044	985	59
PHYSICAL SCIENCES	2,083	1,598	485	809	622	187	1,274	976	298
ASTRONOMY	0	0	0	0	0	0	0	0	0
CHEMISTRY	1,482	1,090	392	592	450	142	890	640	250
PHYSICS	439	377	62	170	137	33	269	240	29
PHYSICAL SCIENCES, NEC.	162	131	31	47	35	12	115	96	19
ENVIRONMENTAL SCIENCES	1,219	960	259	391	312	79	828	648	180
ATMOSPHERIC SCIENCES	10	9	1	4	3	1	6	6	0
GEOSCIENCES	494	418	76	188	167	21	306	251	55
OCEANOGRAPHY	177	143	34	47	33	14	130	110	20
ENVIRONMENTAL SCIENCES, NEC.	538	390	148	152	109	43	386	281	105
MATHEMATICAL SCIENCES	4,011	2,784	1,227	959	695	264	3,052	2,089	963
COMPUTER SCIENCE	1,731	1,362	369	380	294	86	1,351	1,068	283
MATHEMATICS AND APPLIED MATHEMATICS	2,085	1,274	811	563	389	174	1,522	885	637
STATISTICS	195	148	47	16	12	4	179	136	43
LIFE SCIENCES	13,046	6,582	6,464	4,905	2,668	2,237	8,141	3,914	4,227
AGRICULTURAL SCIENCES	936	772	164	490	409	81	446	363	83
BIOLOGICAL SCIENCES	6,716	4,125	2,591	2,476	1,641	835	4,240	2,484	1,756
ANATOMY	0	0	0	0	0	0	0	0	0
BIOCHEMISTRY	133	88	45	33	27	6	100	61	39
BIOLOGY	5,550	3,540	2,010	2,041	1,391	650	3,509	2,149	1,360
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0	0	0	0
BOTANY	26	18	8	20	13	7	6	5	1
CELL BIOLOGY	0	0	0	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0	0	0	0
GENETICS	52	2	50	38	2	36	14	0	14
MICROBIOLOGY	330	214	116	143	114	29	187	100	87
NUTRITION	200	20	180	89	12	77	111	8	103
PATHOLOGY	0	0	0	0	0	0	0	0	0
PHARMACOLOGY	13	9	4	11	8	3	2	1	1
PHYSIOLOGY	67	57	10	15	13	2	52	44	8
ZOOLOGY	46	35	11	42	32	10	4	3	1
BIOSCIENCES, NEC.	299	142	157	44	29	15	255	113	142
HEALTH SCIENCES	5,394	1,685	3,709	1,939	618	1,321	3,455	1,067	2,388
ANESTHESIOLOGY	1	1	0	1	1	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0
DENTISTRY	26	23	3	26	23	3	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0	0	0	0
NURSING	970	53	917	345	27	318	625	26	599
OBSTETRICS/GYNECOLOGY	2	2	0	2	2	0	0	0	0
OPHTHALMOLOGY	9	9	0	4	4	0	5	5	0
OTORHINOLARYNGOLOGY	2	2	0	2	2	0	0	0	0
PEDIATRICS	3	1	2	3	1	2	0	0	0
PHARMACEUTICAL SCIENCES	122	96	26	20	18	2	102	78	24
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	132	71	61	44	29	15	88	42	46
PSYCHIATRY	0	0	0	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0	0	0	0
RADIOLOGY	1	1	0	1	1	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY	1,616	188	1,428	764	103	661	852	85	767
SURGERY	7	6	1	7	6	1	0	0	0
VETERINARY SCIENCES	21	14	7	16	11	5	5	3	2
CLINICAL MEDICINE, NEC.	109	45	64	38	20	18	71	25	46
HEALTH RELATED, NEC.	2,373	1,173	1,200	666	370	296	1,707	803	904
PSYCHOLOGY	11,237	5,359	5,878	4,753	2,417	2,336	6,484	2,942	3,542
SOCIAL SCIENCES	19,479	12,451	7,028	7,205	4,196	3,009	12,274	8,255	4,019
AGRICULTURAL ECONOMICS	21	20	1	18	17	1	3	3	0
ANTHROPOLOGY	540	254	286	168	90	78	372	164	208
ECONOMICS (EXCEPT AGRICULTURAL)	1,011	802	209	362	290	72	649	512	137
GEOGRAPHY	654	467	187	214	157	57	440	310	130
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0	0	0	0
LINGUISTICS	499	242	257	114	50	64	385	192	193
POLITICAL SCIENCE	9,423	6,881	2,542	2,405	1,788	617	7,018	5,093	1,925
SOCIOLOGY	1,712	930	782	769	459	310	943	471	472
SOCIOLOGY/ANTHROPOLOGY	46	22	24	20	6	14	26	16	10
SOCIAL SCIENCES, NEC.	5,573	2,833	2,740	3,135	1,339	1,796	2,438	1,494	944

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-3. GRADUATE STUDENTS IN PUBLICLY CONTROLLED MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE, ENROLLMENT STATUS, AND SEX: 1977

FIELD OF SCIENCE	TOTAL			FULL TIME			PART TIME		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	37,548	22,776	14,772	13,520	8,167	5,353	24,028	14,609	9,419
ENGINEERING	3,240	3,021	219	632	578	54	2,608	2,443	165
AERONAUTICAL	8	8	0	2	2	0	6	6	0
AGRICULTURAL	8	6	2	8	6	2	0	0	0
BIOMEDICAL	0	0	0	0	0	0	0	0	0
CHEMICAL	81	77	4	18	17	1	63	60	3
CIVIL	678	605	73	119	103	16	559	502	57
ELECTRICAL	663	636	27	108	103	5	555	533	22
ENGINEERING SCIENCE	30	26	4	23	20	3	7	6	1
INDUSTRIAL	244	231	13	67	65	2	177	166	11
MECHANICAL	348	333	15	47	46	1	301	287	14
METALLURGICAL/MATERIALS	44	36	8	6	4	2	38	32	6
MINING	11	11	0	11	11	0	0	0	0
NUCLEAR	0	0	0	0	0	0	0	0	0
PETROLEUM	0	0	0	0	0	0	0	0	0
ENGINEERING, NEC.	1,125	1,052	73	223	201	22	902	851	51
PHYSICAL SCIENCES	1,578	1,206	372	650	501	149	928	705	223
ASTRONOMY	0	0	0	0	0	0	0	0	0
CHEMISTRY	1,106	811	295	472	360	112	634	451	183
PHYSICS	329	282	47	136	110	26	193	172	21
PHYSICAL SCIENCES, NEC.	143	113	30	42	31	11	101	82	19
ENVIRONMENTAL SCIENCES	1,016	790	226	341	270	71	675	520	155
ATMOSPHERIC SCIENCES	10	9	1	4	3	1	6	6	0
GEOSCIENCES	494	418	76	188	167	21	306	251	55
OCEANOGRAPHY	56	41	15	34	23	11	22	18	4
ENVIRONMENTAL SCIENCES, NEC.	456	322	134	115	77	38	341	245	96
MATHEMATICAL SCIENCES	2,567	1,656	911	693	475	218	1,874	1,181	693
COMPUTER SCIENCE	624	475	149	180	127	53	444	348	96
MATHEMATICS AND APPLIED MATHEMATICS	1,893	1,144	749	499	338	161	1,394	806	588
STATISTICS	50	37	13	14	10	4	36	27	9
LIFE SCIENCES	9,758	4,931	4,827	3,776	2,089	1,687	5,982	2,842	3,140
AGRICULTURAL SCIENCES	790	659	131	428	356	72	362	303	59
BIOLOGICAL SCIENCES	5,398	3,404	1,994	2,104	1,408	696	3,294	1,996	1,298
ANATOMY	0	0	0	0	0	0	0	0	0
BIOCHEMISTRY	52	40	12	19	16	3	33	24	9
BIOLOGY	4,704	3,090	1,614	1,820	1,257	563	2,884	1,833	1,051
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0	0	0	0
BOTANY	21	13	8	9	12	7	2	1	1
CELL BIOLOGY	0	0	0	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0	0	0	0
GENETICS	0	0	0	0	0	0	0	0	0
MICROBIOLOGY	191	118	73	70	51	19	121	67	54
NUTRITION	200	20	180	89	12	77	111	8	103
PATHOLOGY	0	0	0	0	0	0	0	0	0
PHARMACOLOGY	10	7	3	10	7	3	0	0	0
PHYSIOLOGY	0	0	0	0	0	0	0	0	0
ZOOLOGY	39	28	11	36	26	10	3	2	1
BIOSCIENCES, NEC.	181	88	93	41	27	14	140	61	79
HEALTH SCIENCES	3,570	868	2,702	1,244	325	919	2,326	543	1,783
ANESTHESIOLOGY	0	0	0	0	0	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0
DENTISTRY	0	0	0	0	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0	0	0	0
NURSING	616	36	580	165	18	147	451	18	433
OBSTETRICS/GYNECOLOGY	0	0	0	0	0	0	0	0	0
OPHTHALMOLOGY	6	6	0	1	1	0	5	5	0
OTORHINOLARYNGOLOGY	0	0	0	0	0	0	0	0	0
PEDIATRICS	0	0	0	0	0	0	0	0	0
PHARMACEUTICAL SCIENCES	0	0	0	0	0	0	0	0	0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	132	71	61	44	29	15	88	42	46
PSYCHIATRY	0	0	0	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0	0	0	0
RADIOLOGY	0	0	0	0	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY	1,316	147	1,169	580	79	501	736	68	668
SURGERY	0	0	0	0	0	0	0	0	0
VETERINARY SCIENCES	0	0	0	0	0	0	0	0	0
CLINICAL MEDICINE, NEC.	102	38	64	31	13	18	71	25	46
HEALTH RELATED, NEC.	1,398	570	828	423	185	238	975	385	590
PSYCHOLOGY	7,688	3,744	3,944	3,308	1,735	1,573	4,380	2,009	2,371
SOCIAL SCIENCES	11,701	7,428	4,273	4,120	2,519	1,601	7,581	4,909	2,672
AGRICULTURAL ECONOMICS	21	20	1	18	17	1	3	3	0
ANTHROPOLOGY	535	251	284	166	89	77	369	162	207
ECONOMICS (EXCEPT AGRICULTURAL)	814	640	174	303	240	63	511	400	111
GEOGRAPHY	643	462	181	214	157	57	429	305	124
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0	0	0	0
LINGUISTICS	327	137	190	99	44	55	228	93	135
POLITICAL SCIENCE	5,126	3,718	1,408	1,519	1,127	392	3,607	2,591	1,016
SOCIOLOGY	1,397	734	663	598	351	247	799	383	416
SOCIOLOGY/ANTHROPOLOGY	15	9	6	5	0	5	10	9	1
SOCIAL SCIENCES, NEC.	2,823	1,457	1,366	1,198	494	704	1,625	963	662

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-4. GRADUATE STUDENTS IN PRIVATELY CONTROLLED MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE, ENROLLMENT STATUS, AND SEX: 1977

FIELD OF SCIENCE	TOTAL			FULL TIME			PART TIME		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	18,720	11,860	6,860	6,456	3,635	2,821	12,264	8,225	4,039
ENGINEERING	1,953	1,881	72	322	314	8	1,631	1,567	64
AERONAUTICAL	14	14	0	7	7	0	7	7	0
AGRICULTURAL	0	0	0	0	0	0	0	0	0
BIOMEDICAL	30	26	4	0	0	0	30	26	4
CHEMICAL	57	54	3	20	18	2	37	36	1
CIVIL	118	115	3	34	34	0	84	81	3
ELECTRICAL	538	530	8	107	105	2	431	425	6
ENGINEERING SCIENCE	155	147	8	8	8	0	147	139	8
INDUSTRIAL	567	536	31	74	71	3	493	465	28
MECHANICAL	268	266	2	43	43	0	225	223	2
METALLURGICAL/MATERIALS	21	19	2	0	0	0	21	19	2
MINING	0	0	0	0	0	0	0	0	0
NUCLEAR	19	17	2	5	5	0	14	12	2
PETROLEUM	0	0	0	0	0	0	0	0	0
ENGINEERING, NEC.	166	157	9	24	23	1	142	134	8
PHYSICAL SCIENCES	505	392	113	159	121	38	346	271	75
ASTRONOMY	0	0	0	0	0	0	0	0	0
CHEMISTRY	376	279	97	120	90	30	256	189	67
PHYSICS	110	95	15	34	27	7	76	68	8
PHYSICAL SCIENCES, NEC.	19	18	1	5	4	1	14	14	0
ENVIRONMENTAL SCIENCES	203	170	33	50	42	8	153	128	25
ATMOSPHERIC SCIENCES	0	0	0	0	0	0	0	0	0
GEOSCIENCES	0	0	0	0	0	0	0	0	0
OCEANOGRAPHY	121	102	19	13	10	3	108	92	16
ENVIRONMENTAL SCIENCES, NEC.	82	68	14	37	32	5	45	36	9
MATHEMATICAL SCIENCES	1,444	1,128	316	266	220	46	1,178	908	270
COMPUTER SCIENCE	1,107	887	220	200	167	33	907	720	187
MATHEMATICS AND APPLIED MATHEMATICS	192	130	62	64	51	13	128	79	49
STATISTICS	145	111	34	2	2	0	143	109	34
LIFE SCIENCES	3,288	1,651	1,637	1,129	579	550	2,159	1,072	1,087
AGRICULTURAL SCIENCES	146	113	33	62	53	9	84	60	24
BIOLOGICAL SCIENCES	1,318	721	597	372	233	139	946	488	458
ANATOMY	0	0	0	0	0	0	0	0	0
BIOCHEMISTRY	81	48	33	14	11	3	67	37	30
BIOLOGY	846	450	396	221	134	87	625	316	309
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0	0	0	0
BOTANY	5	5	0	1	1	0	4	4	0
CELL BIOLOGY	0	0	0	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0	0	0	0
GENETICS	52	2	50	38	2	36	14	0	14
MICROBIOLOGY	139	96	43	73	63	10	66	33	33
NUTRITION	0	0	0	0	0	0	0	0	0
PATHOLOGY	0	0	0	0	0	0	0	0	0
PHARMACOLOGY	3	2	1	1	1	0	2	1	1
PHYSIOLOGY	67	57	10	15	13	2	52	44	8
ZOOLOGY	7	7	0	6	6	0	1	1	0
BIOSCIENCES, NEC.	118	54	64	3	2	1	115	52	63
HEALTH SCIENCES	1,824	817	1,007	695	293	402	1,129	524	605
ANESTHESIOLOGY	1	1	0	1	1	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0
DENTISTRY	26	23	3	26	23	3	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0	0	0	0
NURSING	354	17	337	180	9	171	174	8	166
OBSTETRICS/GYNECOLOGY	2	2	0	2	2	0	0	0	0
OPHTHALMOLOGY	3	3	0	3	3	0	0	0	0
OTORHINOLARYNGOLOGY	2	2	0	2	2	0	0	0	0
PEDIATRICS	3	1	2	3	1	2	0	0	0
PHARMACEUTICAL SCIENCES	122	96	26	20	18	2	102	78	24
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	0	0	0	0	0	0	0	0	0
PSYCHIATRY	0	0	0	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0	0	0	0
RADIOLOGY	1	1	0	1	1	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY	300	41	259	184	24	160	116	17	99
SURGERY	7	6	1	7	6	1	0	0	0
VETERINARY SCIENCES	21	14	7	16	11	5	5	3	2
CLINICAL MEDICINE, NEC.	7	7	0	7	7	0	0	0	0
HEALTH RELATED, NEC.	975	603	372	243	185	58	732	418	314
PSYCHOLOGY	3,549	1,615	1,934	1,445	682	763	2,104	933	1,171
SOCIAL SCIENCES	7,778	5,023	2,755	3,085	1,677	1,408	4,693	3,346	1,347
AGRICULTURAL ECONOMICS	0	0	0	0	0	0	0	0	0
ANTHROPOLOGY	5	3	2	2	1	1	3	2	1
ECONOMICS (EXCEPT AGRICULTURAL)	197	162	35	59	50	9	138	112	26
GEOGRAPHY	11	5	6	0	0	0	11	5	6
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0	0	0	0
LINGUISTICS	172	105	67	15	6	9	157	99	58
POLITICAL SCIENCE	4,297	3,163	1,134	886	661	225	3,411	2,502	909
SOCIOLOGY	315	196	119	171	108	63	144	88	56
SOCIOLOGY/ANTHROPOLOGY	31	13	18	15	6	9	16	7	9
SOCIAL SCIENCES, NEC.	2,750	1,376	1,374	1,937	845	1,092	813	531	282

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-5. GRADUATE STUDENTS IN ALL MASTER'S-GRANTING INSTITUTIONS, BY DIVISION, STATE, ENROLLMENT STATUS, AND SOURCE OF MAJOR SUPPORT: 1977

DIVISION AND STATE	TOTAL	FULL TIME						PART TIME	
		TOTAL		FEDERAL		NON-FEDERAL			
		NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
UNITED STATES TOTAL	56,268	19,976	35.5	2,359	11.8	17,617	88.2	36,292	64.5
NEW ENGLAND	4,280	1,311	30.6	74	5.6	1,237	94.4	2,969	69.4
CONNECTICUT	2,168	244	11.3	16	6.6	228	93.4	1,924	88.7
MAINE	0	0	**	0	**	0	**	0	**
MASSACHUSETTS	1,348	449	33.3	58	12.9	391	87.1	899	66.7
NEW HAMPSHIRE	52	0	.0	0	**	0	**	52	100.0
RHODE ISLAND	78	26	33.3	0	.0	26	100.0	52	66.7
VERMONT	634	592	93.4	0	.0	592	100.0	42	6.6
MIDDLE ATLANTIC	11,640	2,855	24.5	297	10.4	2,558	89.6	8,785	75.5
NEW JERSEY	2,982	443	14.9	23	5.2	420	94.8	2,539	85.1
NEW YORK	6,423	1,869	29.1	214	11.4	1,655	88.6	4,554	70.9
PENNSYLVANIA	2,235	543	24.3	60	11.0	483	89.0	1,692	75.7
EAST NORTH CENTRAL	6,480	2,327	35.9	150	6.4	2,177	93.6	4,153	64.1
ILLINOIS	3,406	1,156	33.9	62	5.4	1,094	94.6	2,250	66.1
INDIANA	628	62	9.9	1	1.6	61	98.4	566	90.1
MICHIGAN	943	403	42.7	8	2.0	395	98.0	540	57.3
OHIO	848	368	43.4	26	7.1	342	92.9	480	56.6
WISCONSIN	655	338	51.6	53	15.7	285	84.3	317	48.4
WEST NORTH CENTRAL	1,809	1,058	58.5	70	6.6	988	93.4	751	41.5
IOWA	325	147	45.2	19	12.9	128	87.1	178	54.8
KANSAS	580	380	65.5	9	2.4	371	97.6	200	34.5
MINNESOTA	523	297	56.8	35	11.8	262	88.2	226	43.2
MISSOURI	367	230	62.7	7	3.0	223	97.0	137	37.3
NEBRASKA	14	4	28.6	0	.0	4	100.0	10	71.4
NORTH DAKOTA	0	0	**	0	**	0	**	0	**
SOUTH DAKOTA	0	0	**	0	**	0	**	0	**
SOUTH ATLANTIC	5,924	2,632	44.4	567	21.5	2,065	78.5	3,292	55.6
DELAWARE	0	0	**	0	**	0	**	0	**
DISTRICT OF COLUMBIA	99	61	61.6	10	16.4	51	83.6	38	38.4
FLORIDA	1,818	990	54.5	389	39.3	601	60.7	828	45.5
GEORGIA	659	458	69.5	65	14.2	393	85.8	201	30.5
MARYLAND	1,185	214	18.1	4	1.9	210	98.1	971	81.9
NORTH CAROLINA	774	442	57.1	46	10.4	396	89.6	332	42.9
SOUTH CAROLINA	112	46	41.1	2	4.3	44	95.7	66	58.9
VIRGINIA	844	335	39.7	36	10.7	299	89.3	509	60.3
WEST VIRGINIA	433	86	19.9	15	17.4	71	82.6	347	80.1
EAST SOUTH CENTRAL	2,378	1,209	50.8	194	16.0	1,015	84.0	1,169	49.2
ALABAMA	639	330	51.6	92	27.9	238	72.1	309	48.4
KENTUCKY	588	386	65.6	16	4.1	370	95.9	202	34.4
MISSISSIPPI	332	175	52.7	30	17.1	145	82.9	157	47.3
TENNESSEE	819	318	38.8	56	17.6	262	82.4	501	61.2
WEST SOUTH CENTRAL	4,027	1,711	42.5	175	10.2	1,536	89.8	2,316	57.5
ARKANSAS	347	156	45.0	43	27.6	113	72.4	191	55.0
LOUISIANA	331	177	53.5	2	1.1	175	98.9	154	46.5
OKLAHOMA	63	60	95.2	8	13.3	52	86.7	3	4.8
TEXAS	3,286	1,318	40.1	122	9.3	1,196	90.7	1,968	59.9
MOUNTAIN	1,283	741	57.8	115	15.5	626	84.5	542	42.2
ARIZONA	0	0	**	0	**	0	**	0	**
COLORADO	789	333	42.2	77	23.1	256	76.9	456	57.8
IDAHO	0	0	**	0	**	0	**	0	**
MONTANA	21	21	100.0	11	52.4	10	47.6	0	**
NEVADA	249	249	100.0	3	1.2	246	98.8	0	.0
NEW MEXICO	224	138	61.6	24	17.4	114	82.6	86	38.4
UTAH	0	0	**	0	**	0	**	0	**
WYOMING	0	0	**	0	**	0	**	0	**
PACIFIC	18,339	6,073	33.1	709	11.7	5,364	88.3	12,266	66.9
ALASKA	206	38	18.4	0	.0	38	100.0	168	81.6
CALIFORNIA	17,199	5,535	32.2	642	11.6	4,893	88.4	11,664	67.8
HAWAII	0	0	**	0	**	0	**	0	**
OREGON	141	57	40.4	15	26.3	42	73.7	84	59.6
WASHINGTON	793	443	55.9	52	11.7	391	88.3	350	44.1
U.S. TERRITORIES	108	59	54.6	8	13.6	51	86.4	49	45.4

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-6. FULL-TIME GRADUATE STUDENTS IN ALL MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1977

FIELD OF SCIENCE	TOTAL	FEDERAL SUPPORT	INSTI-TUTIONAL SUPPORT	OTHER OUTSIDE SUPPORT	SELF-SUPPORT
TOTAL, ALL FIELDS	19,976	2,359	4,213	838	12,566
ENGINEERING	954	104	139	58	653
AERONAUTICAL	9	0	0	0	9
AGRICULTURAL	8	0	1	0	7
BIOMEDICAL	0	0	0	0	0
CHEMICAL	38	0	7	13	18
CIVIL	153	40	26	2	85
ELECTRICAL	215	24	31	24	136
ENGINEERING SCIENCE	31	7	10	2	12
INDUSTRIAL	141	7	26	1	107
MECHANICAL	90	7	13	2	68
METALLURGICAL/MATERIALS	6	1	1	0	4
MINING	11	6	3	0	2
NUCLEAR	5	2	2	0	1
PETROLEUM	0	0	0	0	0
ENGINEERING, NEC.	247	10	19	14	204
PHYSICAL SCIENCES	809	51	445	50	263
ASTRONOMY	0	0	0	0	0
CHEMISTRY	592	42	314	46	190
PHYSICS	170	8	117	3	42
PHYSICAL SCIENCES, NEC.	47	1	14	1	31
ENVIRONMENTAL SCIENCES	391	31	145	14	201
ATMOSPHERIC SCIENCES	4	0	2	0	2
GEOSCIENCES	188	24	89	14	61
OCEANOGRAPHY	47	2	19	0	26
ENVIRONMENTAL SCIENCES, NEC.	152	5	35	0	112
MATHEMATICAL SCIENCES	959	62	315	13	569
COMPUTER SCIENCE	380	32	38	4	306
MATHEMATICS AND APPLIED MATHEMATICS	563	29	275	9	250
STATISTICS	16	1	2	0	13
LIFE SCIENCES	4,905	536	1,374	191	2,804
AGRICULTURAL SCIENCES	490	76	65	18	331
BIOLOGICAL SCIENCES	2,476	197	1,029	83	1,167
ANATOMY	0	0	0	0	0
BIOCHEMISTRY	33	2	21	0	10
BIOLOGY	2,041	167	896	52	926
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0
BOTANY	20	1	12	1	6
CELL BIOLOGY	0	0	0	0	0
ECOLOGY	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0
GENETICS	38	0	0	19	19
MICROBIOLOGY	143	5	45	2	91
NUTRITION	89	4	14	6	65
PATHOLOGY	0	0	0	0	0
PHARMACOLOGY	11	3	5	1	2
PHYSIOLOGY	15	0	3	0	12
ZOOLOGY	42	1	22	0	19
BIOSCIENCES, NEC.	44	14	11	2	17
HEALTH SCIENCES	1,939	263	280	90	1,306
ANESTHESIOLOGY	1	0	1	0	0
CARDIOLOGY	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0
DENTISTRY	26	0	0	0	26
ENDOCRINOLOGY	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0
NEUROLOGY	0	0	0	0	0
NURSING	345	62	19	8	256
OBSTETRICS/GYNECOLOGY	2	0	2	0	0
OPHTHALMOLOGY	4	0	1	1	2
OTORHINOLARYNGOLOGY	2	0	2	0	0
PEDIATRICS	3	0	3	0	0
PHARMACEUTICAL SCIENCES	20	0	10	0	10
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	44	14	11	3	16
PSYCHIATRY	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0
RADIOLOGY	1	0	1	0	0
SPEECH PATHOLOGY/AUDIOLOGY	764	147	167	35	415
SURGERY	7	0	7	0	0
VETERINARY SCIENCES	16	3	3	1	9
CLINICAL MEDICINE, NEC.	38	0	7	15	16
HEALTH RELATED, NEC.	666	37	46	27	556
PSYCHOLOGY	4,753	387	1,001	192	3,173
SOCIAL SCIENCES	7,205	1,188	794	320	4,903
AGRICULTURAL ECONOMICS	18	0	6	0	12
ANTHROPOLOGY	168	21	16	3	128
ECONOMICS (EXCEPT AGRICULTURAL)	362	25	71	41	225
GEOGRAPHY	214	6	102	1	105
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0
LINGUISTICS	114	8	36	0	70
POLITICAL SCIENCE	2,405	340	233	139	1,693
SOCIOLOGY	769	47	173	40	509
SOCIOLOGY/ANTHROPOLOGY	20	11	7	0	2
SOCIAL SCIENCES, NEC.	3,135	730	150	96	2,159

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-7. FULL-TIME GRADUATE STUDENTS IN PUBLICLY CONTROLLED MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1977

FIELD OF SCIENCE	TOTAL	FEDERAL SUPPORT	INSTITUTIONAL SUPPORT	OTHER OUTSIDE SUPPORT	SELF-SUPPORT
TOTAL, ALL FIELDS	13,520	1,462	3,471	424	8,163
ENGINEERING	632	73	86	17	456
AERONAUTICAL	2	0	0	0	2
AGRICULTURAL	8	0	1	0	7
BIOMEDICAL	0	0	0	0	0
CHEMICAL	18	0	1	2	15
CIVIL	119	24	18	2	75
ELECTRICAL	108	17	17	1	73
ENGINEERING SCIENCE	23	7	5	2	9
INDUSTRIAL	67	5	17	0	45
MECHANICAL	47	4	8	0	35
METALLURGICAL/MATERIALS	6	1	1	0	4
MINING	11	6	3	0	2
NUCLEAR	0	0	0	0	2
PETROLEUM	0	0	0	0	0
ENGINEERING, NEC.	223	9	15	10	189
PHYSICAL SCIENCES	650	42	359	38	211
ASTRONOMY	0	0	0	0	0
CHEMISTRY	472	36	256	38	142
PHYSICS	136	5	92	0	39
PHYSICAL SCIENCES, NEC.	42	1	11	0	30
ENVIRONMENTAL SCIENCES	341	31	139	14	157
ATMOSPHERIC SCIENCES	4	0	2	0	2
GEOSCIENCES	188	24	89	14	61
OCEANOGRAPHY	34	2	14	0	18
ENVIRONMENTAL SCIENCES, NEC.	115	5	34	0	76
MATHEMATICAL SCIENCES	693	46	277	12	358
COMPUTER SCIENCE	180	18	21	3	138
MATHEMATICS AND APPLIED MATHEMATICS	499	28	254	9	208
STATISTICS	14	0	2	0	12
LIFE SCIENCES	3,776	420	1,148	136	2,072
AGRICULTURAL SCIENCES	428	61	61	17	289
BIOLOGICAL SCIENCES	2,104	186	883	57	978
ANATOMY	0	0	0	0	0
BIOCHEMISTRY	19	2	15	0	2
BIOLOGY	1,820	157	771	45	847
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0
BOTANY	19	1	11	1	6
CELL BIOLOGY	0	0	0	0	0
ECOLOGY	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0
GENETICS	0	0	0	0	0
MICROBIOLOGY	70	4	43	2	21
NUTRITION	89	4	14	6	65
PATHOLOGY	0	0	0	0	0
PHARMACOLOGY	10	3	4	1	2
PHYSIOLOGY	0	0	0	0	0
ZOOLOGY	36	1	16	0	19
BIOSCIENCES, NEC.	41	14	9	2	16
HEALTH SCIENCES	1,244	173	204	62	805
ANESTHESIOLOGY	0	0	0	0	0
CARDIOLOGY	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0
DENTISTRY	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0
NEUROLOGY	0	0	0	0	0
NURSING	165	24	11	3	127
OBSTETRICS/GYNECOLOGY	0	0	0	0	0
OPHTHALMOLOGY	1	0	0	1	0
OTORHINOLARYNGOLOGY	0	0	0	0	0
PEDIATRICS	0	0	0	0	0
PHARMACEUTICAL SCIENCES	0	0	0	0	0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	44	14	11	3	16
PSYCHIATRY	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0
RADIOLOGY	0	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY	580	115	143	27	295
SURGERY	0	0	0	0	0
VETERINARY SCIENCES	0	0	0	0	0
CLINICAL MEDICINE, NEC.	31	0	0	15	16
HEALTH RELATED, NEC.	423	20	39	13	351
PSYCHOLOGY	3,308	269	801	69	2,169
SOCIAL SCIENCES	4,120	581	661	138	2,740
AGRICULTURAL ECONOMICS	18	0	6	0	12
ANTHROPOLOGY	166	21	16	3	126
ECONOMICS (EXCEPT AGRICULTURAL)	303	23	63	16	201
GEOGRAPHY	214	6	102	1	105
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0
LINGUISTICS	99	8	32	0	59
POLITICAL SCIENCE	1,519	208	169	54	1,088
SOCIOLOGY	598	42	166	8	382
SOCIOLOGY/ANTHROPOLOGY	5	2	2	0	1
SOCIAL SCIENCES, NEC.	1,198	271	105	56	766

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-8. FULL-TIME GRADUATE STUDENTS IN PRIVATELY CONTROLLED MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1977

FIELD OF SCIENCE	TOTAL	FEDERAL SUPPORT	INSTI-TUTIONAL SUPPORT	OTHER OUTSIDE SUPPORT	SELF-SUPPORT
TOTAL, ALL FIELDS	6,456	897	742	414	4,403
ENGINEERING	322	31	53	41	197
AERONAUTICAL	7	0	0	0	7
AGRICULTURAL	0	0	0	0	0
BIOMEDICAL	0	0	0	0	0
CHEMICAL	20	0	6	11	3
CIVIL	34	16	8	0	10
ELECTRICAL	107	7	14	23	63
ENGINEERING SCIENCE	8	0	5	0	3
INDUSTRIAL	74	2	9	1	62
MECHANICAL	43	3	5	2	33
METALLURGICAL/MATERIALS	0	0	0	0	0
MINING	0	0	0	0	0
NUCLEAR	5	2	2	0	1
PETROLEUM	0	0	0	0	0
ENGINEERING, NEC.	24	1	4	4	15
PHYSICAL SCIENCES	159	9	86	12	52
ASTRONOMY	0	0	0	0	0
CHEMISTRY	120	6	58	8	48
PHYSICS	34	3	25	3	3
PHYSICAL SCIENCES, NEC.	5	0	3	1	1
ENVIRONMENTAL SCIENCES	50	0	6	0	44
ATMOSPHERIC SCIENCES	0	0	0	0	0
GEOSCIENCES	0	0	0	0	0
OCEANOGRAPHY	13	0	5	0	8
ENVIRONMENTAL SCIENCES, NEC.	37	0	1	0	36
MATHEMATICAL SCIENCES	266	16	38	1	211
COMPUTER SCIENCE	200	14	17	1	168
MATHEMATICS AND APPLIED MATHEMATICS	64	1	21	0	42
STATISTICS	2	1	0	0	1
LIFE SCIENCES	1,129	116	226	55	732
AGRICULTURAL SCIENCES	62	15	4	1	42
BIOLOGICAL SCIENCES	372	11	146	26	189
ANATOMY	0	0	0	0	0
BIOCHEMISTRY	14	0	6	0	8
BIOLOGY	221	10	125	7	79
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0
BOTANY	1	0	1	0	0
CELL BIOLOGY	0	0	0	0	0
ECOLOGY	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0
GENETICS	38	0	0	19	19
MICROBIOLOGY	73	1	2	0	70
NUTRITION	0	0	0	0	0
PATHOLOGY	0	0	0	0	0
PHARMACOLOGY	1	0	1	0	0
PHYSIOLOGY	15	0	3	0	12
ZOOLOGY	6	0	6	0	0
BIOSCIENCES, NEC.	3	0	2	0	1
HEALTH SCIENCES	695	90	76	28	501
ANESTHESIOLOGY	1	0	1	0	0
CARDIOLOGY	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0
DENTISTRY	26	0	0	0	26
ENDOCRINOLOGY	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0
NEUROLOGY	0	0	0	0	0
NURSING	180	38	8	5	129
OBSTETRICS/GYNECOLOGY	2	0	2	0	0
OPHTHALMOLOGY	3	0	1	0	2
OTORHINOLARYNGOLOGY	2	0	2	0	0
PEDIATRICS	3	0	3	0	0
PHARMACEUTICAL SCIENCES	20	0	10	0	10
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	0	0	0	0	0
PSYCHIATRY	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0
RADIOLOGY	1	0	1	0	0
SPEECH PATHOLOGY/AUDIOLOGY	184	32	24	8	120
SURGERY	7	0	7	0	0
VETERINARY SCIENCES	16	3	3	1	9
CLINICAL MEDICINE, NEC.	7	0	7	0	0
HEALTH RELATED, NEC.	243	17	7	14	205
PSYCHOLOGY	1,445	118	200	123	1,004
SOCIAL SCIENCES	3,085	607	133	182	2,163
AGRICULTURAL ECONOMICS	0	0	0	0	0
ANTHROPOLOGY	2	0	0	0	2
ECONOMICS (EXCEPT AGRICULTURAL)	59	2	8	25	24
GEOGRAPHY	0	0	0	0	0
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0
LINGUISTICS	15	0	4	0	11
POLITICAL SCIENCE	886	132	64	85	605
SOCIOLOGY	171	5	7	32	127
SOCIOLOGY/ANTHROPOLOGY	15	9	5	0	1
SOCIAL SCIENCES, NEC.	1,937	459	45	40	1,393

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-9. FULL-TIME GRADUATE STUDENTS IN ALL MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE, INSTITUTIONAL CONTROL, AND CITIZENSHIP: 1977

FIELD OF SCIENCE	ALL INSTITUTIONS			PUBLIC			PRIVATE		
	TOTAL	U.S. CITIZENS	FOREIGN STUDENTS	TOTAL	U.S. CITIZENS	FOREIGN STUDENTS	TOTAL	U.S. CITIZENS	FOREIGN STUDENTS
TOTAL, ALL FIELDS	19,976	18,224	1,752	13,520	12,335	1,185	6,456	5,889	567
ENGINEERING	954	596	358	632	450	182	322	146	176
AERONAUTICAL	9	6	3	2	2	0	7	4	3
AGRICULTURAL	8	4	4	8	4	4	0	0	0
BIOMEDICAL	0	0	0	0	0	0	0	0	0
CHEMICAL	38	20	18	18	13	5	20	7	13
CIVIL	153	119	34	119	94	25	34	25	9
ELECTRICAL	215	119	96	108	81	27	107	38	69
ENGINEERING SCIENCE	31	27	4	23	20	3	8	7	1
INDUSTRIAL	141	77	64	67	45	22	74	32	42
MECHANICAL	90	54	36	47	29	18	43	25	18
METALLURGICAL/MATERIALS	6	4	2	6	4	2	0	0	0
MINING	11	11	0	11	11	0	0	0	0
NUCLEAR	5	1	4	0	0	0	5	1	4
PETROLEUM	0	0	0	0	0	0	0	0	0
ENGINEERING, NEC.	247	154	93	223	147	76	24	7	17
PHYSICAL SCIENCES	809	665	144	650	524	126	159	141	18
ASTRONOMY	0	0	0	0	0	0	0	0	0
CHEMISTRY	592	478	114	472	371	101	120	107	13
PHYSICS	170	144	26	136	115	21	34	29	5
PHYSICAL SCIENCES, NEC.	47	43	4	42	38	4	5	5	0
ENVIRONMENTAL SCIENCES	391	352	39	341	317	24	50	35	15
ATMOSPHERIC SCIENCES	4	4	0	4	4	0	0	0	0
GEOSCIENCES	188	176	12	188	176	12	0	0	0
OCEANOGRAPHY	47	47	0	34	34	0	13	13	0
ENVIRONMENTAL SCIENCES, NEC.	152	125	27	115	103	12	37	22	15
MATHEMATICAL SCIENCES	959	776	183	693	586	107	266	190	76
COMPUTER SCIENCE	380	280	100	180	134	46	200	146	54
MATHEMATICS AND APPLIED MATHEMATICS	563	482	81	499	440	59	64	42	22
STATISTICS	16	14	2	14	12	2	2	2	0
LIFE SCIENCES	4,905	4,591	314	3,776	3,535	241	1,129	1,056	73
AGRICULTURAL SCIENCES	490	412	78	428	370	58	62	42	20
BIOLOGICAL SCIENCES	2,476	2,294	182	2,104	1,961	143	372	333	39
ANATOMY	0	0	0	0	0	0	0	0	0
BIOCHEMISTRY	33	20	13	19	15	4	14	5	9
BIOLOGY	2,041	1,909	132	1,820	1,708	112	221	201	20
BIOMETRY/EPIDEMIOLOGY	0	0	0	0	0	0	0	0	0
BIOPHYSICS	0	0	0	0	0	0	0	0	0
BOTANY	20	20	0	19	19	0	1	1	0
CELL BIOLOGY	0	0	0	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0	0	0	0
GENETICS	38	36	2	0	0	0	38	36	2
MICROBIOLOGY	143	126	17	70	60	10	73	66	7
NUTRITION	89	76	13	89	76	13	0	0	0
PATHOLOGY	0	0	0	0	0	0	0	0	0
PHARMACOLOGY	11	9	2	10	8	2	1	1	0
PHYSIOLOGY	15	14	1	0	0	0	15	14	1
ZOOLOGY	42	40	2	36	34	2	6	6	0
BIOSCIENCES, NEC.	44	44	0	41	41	0	3	3	0
HEALTH SCIENCES	1,939	1,885	54	1,244	1,204	40	695	681	14
ANESTHESIOLOGY	1	1	0	0	0	0	1	1	0
CARDIOLOGY	0	0	0	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0
DENTISTRY	26	22	4	0	0	0	26	22	4
ENDOCRINOLOGY	0	0	0	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0	0	0	0
NURSING	345	344	1	165	164	1	180	180	0
OBSTETRICS/GYNECOLOGY	2	2	0	0	0	0	2	2	0
OPHTHALMOLOGY	4	2	2	1	1	0	3	1	2
OTORHINOLARYNGOLOGY	2	2	0	0	0	0	2	2	0
PEDIATRICS	3	3	0	0	0	0	3	3	0
PHARMACEUTICAL SCIENCES	20	18	2	0	0	0	20	18	2
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	44	32	12	44	32	12	0	0	0
PSYCHIATRY	0	0	0	0	0	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0	0	0	0
RADIOLOGY	1	1	0	0	0	0	1	1	0
SPEECH PATHOLOGY/AUDIOLOGY	764	756	8	580	575	5	184	181	3
SURGERY	7	7	0	0	0	0	7	7	0
VETERINARY SCIENCES	16	13	3	0	0	0	16	13	3
CLINICAL MEDICINE, NEC.	38	32	6	31	25	6	7	7	0
HEALTH RELATED, NEC.	666	650	16	423	407	16	243	243	0
PSYCHOLOGY	4,753	4,628	125	3,308	3,229	79	1,445	1,399	46
SOCIAL SCIENCES	7,205	6,616	589	4,120	3,694	426	3,085	2,922	163
AGRICULTURAL ECONOMICS	18	5	13	18	5	13	0	0	0
ANTHROPOLOGY	168	163	5	166	162	4	2	1	1
ECONOMICS (EXCEPT AGRICULTURAL)	362	200	162	303	175	128	59	25	34
GEOGRAPHY	214	200	14	214	200	14	0	0	0
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0	0	0	0
LINGUISTICS	114	104	10	99	90	9	15	14	1
POLITICAL SCIENCE	2,405	2,150	255	1,519	1,375	144	886	775	111
SOCIOLOGY	769	695	74	598	532	66	171	163	8
SOCIOLOGY/ANTHROPOLOGY	20	19	1	5	5	0	15	14	1
SOCIAL SCIENCES, NEC.	3,135	3,080	55	1,198	1,150	48	1,937	1,930	7

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-10. FULL-TIME GRADUATE STUDENTS IN ALL MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			FEDERAL SUPPORT			INSTITUTIONAL SUPPORT			OTHER OUTSIDE SUPPORT			SELF-SUPPORT		
	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE
TOTAL, ALL FIELDS	18,174	19,976	9.9	2,046	2,359	15.3	3,833	4,213	9.9	700	838	19.7	11,595	12,566	8.4
ENGINEERING	968	954	-1.4	127	104	-18.1	102	139	36.3	49	58	18.4	690	653	-5.4
AERONAUTICAL	12	9	-25.0	1	0	-100.0	0	0	**	3	0	-100.0	8	9	12.5
AGRICULTURAL	3	8	166.7	0	0	**	0	1	**	0	0	**	3	7	133.3
BIOMEDICAL	2	0	-100.0	0	0	**	0	0	**	0	0	**	2	0	-100.0
CHEMICAL	36	38	5.6	1	0	-100.0	8	7	-12.5	4	13	225.0	23	18	-21.7
CIVIL	171	153	-10.5	49	40	-18.4	14	26	85.7	12	2	-83.3	96	85	-11.5
ELECTRICAL	159	215	35.2	21	24	14.3	15	31	106.7	11	24	118.2	112	136	21.4
ENGINEERING SCIENCE	11	31	181.8	1	7	600.0	5	10	100.0	0	2	**	5	12	140.0
INDUSTRIAL	111	141	27.0	14	7	-50.0	28	26	-7.1	5	1	-80.0	64	107	67.2
MECHANICAL	59	90	52.5	10	7	-30.0	8	13	62.5	1	2	100.0	40	68	70.0
METALLURGICAL/MATERIALS	7	6	-14.3	1	1	.0	1	1	.0	1	0	-100.0	4	4	.0
MINING	11	11	.0	5	6	20.0	3	3	.0	2	0	-100.0	1	2	100.0
NUCLEAR	0	5	**	0	2	**	0	2	**	0	0	**	0	1	**
PETROLEUM	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
ENGINEERING, NEC.	386	247	-36.0	24	10	-58.3	20	19	-5.0	10	14	40.0	332	204	-38.6
PHYSICAL SCIENCES	678	809	19.3	32	51	59.4	416	445	7.0	26	50	92.3	204	263	28.9
ASTRONOMY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
CHEMISTRY	453	592	30.7	24	42	75.0	282	314	11.3	9	46	411.1	138	190	37.7
PHYSICS	198	170	-14.1	8	8	.0	129	117	-9.3	16	3	-81.3	45	42	-6.7
PHYSICAL SCIENCES, NEC.	27	47	74.1	0	1	**	5	14	180.0	1	1	.0	21	31	47.6
ENVIRONMENTAL SCIENCES	330	391	18.5	43	31	-27.9	131	145	10.7	14	14	.0	142	201	41.5
ATMOSPHERIC SCIENCES	0	4	**	0	0	**	0	2	**	0	0	**	0	2	**
GEOSCIENCES	188	188	.0	34	24	-29.4	84	89	6.0	4	14	250.0	66	61	-7.6
OCEANOGRAPHY	44	47	6.8	1	2	100.0	13	19	46.2	7	0	-100.0	23	26	13.0
ENVIRONMENTAL SCIENCES, NEC.	98	152	55.1	8	5	-37.5	34	35	2.9	3	0	-100.0	53	112	111.3
MATHEMATICAL SCIENCES	1,166	959	-17.8	62	62	.0	370	315	-14.9	46	13	-71.7	688	569	-17.3
COMPUTER SCIENCE	430	380	-11.6	27	32	18.5	81	38	-53.1	29	4	-86.2	293	306	4.4
MATHEMATICS AND APPLIED MATHEMATICS	713	563	-21.0	35	29	-17.1	289	275	-4.8	15	9	-40.0	374	250	-33.2
STATISTICS	23	16	-30.4	0	1	**	0	2	**	2	0	-100.0	21	13	-38.1
LIFE SCIENCES	4,784	4,905	2.5	476	536	12.6	1,354	1,374	1.5	220	191	-13.2	2,734	2,804	2.6
AGRICULTURAL SCIENCES	575	490	-14.8	88	76	-13.6	59	65	10.2	18	18	.0	410	331	-19.3
BIOLOGICAL SCIENCES	2,595	2,476	-4.6	178	197	10.7	1,101	1,029	-6.5	94	83	-11.7	1,222	1,167	-4.5
ANATOMY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
BIOCHEMISTRY	46	33	-28.3	1	2	100.0	25	21	-16.0	0	0	**	20	10	-50.0
BIOLOGY	2,178	2,041	-6.3	143	167	16.8	953	896	-6.0	57	52	-8.8	1,025	926	-9.7
BIOMETRY/EPIDEMIOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
BIOPHYSICS	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
BOTANY	55	20	-63.6	6	1	-83.3	26	12	-53.8	3	1	-66.7	20	6	-70.0
CELL BIOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
ECOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
ENTOMOLOGY/PARASITOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
GENETICS	32	38	18.8	0	0	**	0	0	**	15	19	26.7	17	19	11.8
MICROBIOLOGY	112	143	27.7	10	5	-50.0	45	45	.0	1	2	100.0	56	91	62.5
NUTRITION	44	89	102.3	2	4	100.0	16	14	-12.5	2	6	200.0	24	65	170.8
PATHOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
PHARMACOLOGY	0	11	**	0	3	**	0	5	**	0	1	**	0	2	**
PHYSIOLOGY	5	15	200.0	6	0	**	2	3	50.0	0	0	**	3	12	300.0
ZOOLOGY	51	42	-17.6	0	1	**	18	22	22.2	6	0	-100.0	27	19	-29.6
BIOSCIENCES, NEC.	72	44	-38.9	16	14	-12.5	16	11	-31.3	10	2	-80.0	30	17	-43.3
HEALTH SCIENCES	1,614	1,939	20.1	210	263	25.2	194	280	44.3	108	90	-16.7	1,102	1,306	18.5
ANESTHESIOLOGY	0	1	**	0	0	**	0	1	**	0	0	**	0	0	**
CARDIOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
CLINICAL PHARMACOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
DENTISTRY	21	26	23.8	0	0	**	0	0	**	0	0	**	21	26	23.8
ENDOCRINOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
GASTROENTEROLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
HEMATCLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
NEUROLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
NURSING	196	345	76.0	44	62	40.9	11	19	72.7	2	8	300.0	139	256	84.2
OBSTETRICS/GYNECOLOGY	3	2	-33.3	0	0	**	3	2	-33.3	0	0	**	0	0	**
OPHTHALMOLOGY	5	4	-20.0	0	0	**	3	1	-66.7	0	1	**	2	2	.0
OTORHINOLARYNGOLOGY	2	2	.0	0	0	**	2	2	.0	0	0	**	0	0	**
PEDIATRICS	2	3	50.0	0	0	**	2	3	50.0	0	0	**	0	0	**
PHARMACEUTICAL SCIENCES	0	20	**	0	0	**	0	10	**	0	0	**	0	10	**
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	56	44	-21.4	11	14	27.3	6	11	83.3	15	3	-80.0	24	16	-33.3
PSYCHIATRY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
PULMONARY DISEASE	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
RADIOLOGY	1	1	.0	0	0	**	1	1	.0	0	0	**	0	0	**
SPEECH PATH/AUDIOLOGY	605	764	26.3	128	147	14.8	130	167	28.5	5	35	600.0	342	415	21.3
SURGERY	6	7	16.7	0	0	**	6	7	16.7	0	0	**	0	0	**
VETERINARY SCIENCES	21	16	-23.8	3	3	.0	2	3	50.0	0	1	**	16	9	-43.8
CLINICAL MEDICINE, NEC.	10	38	280.0	0	0	**	6	7	16.7	2	15	650.0	2	16	700.0
HEALTH RELATED, NEC.	686	666	-2.9	24	37	54.2	22	46	109.1	84	27	-67.9	556	556	.0
PSYCHOLOGY	4,338	4,753	9.6	286	387	35.3	714	1,001	40.2	86	192	123.3	3,252	3,173	-2.4
SOCIAL SCIENCES	5,910	7,205	21.9	1,020	1,188	16.5	746	794	6.4	259	320	23.6	3,885	4,903	26.2
AGRICULTURAL ECONOMICS	13	18	38.5	0	0	**	5	6	20.0	3	0	-100.0	5	12	140.0
ANTHROPOLOGY	166	168	1.2	23	21	-8.7	25	16	-36.0	7	3	-57.1	111	128	15.3
ECONOMICS (EXCEPT AGRICULTURAL)	407	362	-11.1	37	25	-32.4	64	71	10.9	43	41	-4.7	263	225	-14.4
GEOGRAPHY	254	214	-15.7	17	6	-64.7	83	102	22.9	11	1	-90.9	143	105	-26.6
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
LINGUISTICS	142	114	-19.7	11	8	-27.3	23	36	56.5	1	0	-100.0	107	70	-34.6
POLITICAL SCIENCE	1,954	2,405	23.1	359	340	-5.3	232	233	.4	83	139	67.5	1,280	1,693	32.3
SOCIOLOGY	902	769	-14.7	146	47	-67.8	154	173	12.3	47	40	-14.9	555	509	-8.3
SOCIOLOGY/ANTHROPOLOGY	18	20	11.1	14	11	-21.4	3	7	133.3	0	0	**	1	2	100.0
SOCIAL SCIENCES, NEC.	2,054	3,135	52.6	413	730	76.8	157	150	-4.5	64	96	50.0	1,420	2,159	52.0

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-11. FULL-TIME GRADUATE STUDENTS IN PUBLICLY CONTROLLED MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			FEDERAL SUPPORT			INSTITUTIONAL SUPPORT			OTHER OUTSIDE SUPPORT			SELF-SUPPORT		
	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE
TOTAL, ALL FIELDS	12,700	13,520	6.5	1,221	1,462	19.7	3,059	3,471	13.5	415	424	2.2	8,005	8,163	2.0
ENGINEERING	746	632	-15.3	99	73	-26.3	67	86	28.4	20	17	-15.0	560	456	-18.6
AERONAUTICAL	6	2	-66.7	1	0	-100.0	0	0	**	0	0	**	5	2	-60.0
AGRICULTURAL	3	8	166.7	0	0	**	0	1	**	0	0	**	3	7	133.3
BIOMEDICAL	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
CHEMICAL	11	18	63.6	1	0	-100.0	3	1	-66.7	0	2	**	7	15	114.3
CIVIL	139	119	-14.4	40	24	-40.0	10	18	80.0	7	2	-71.4	82	75	-8.5
ELECTRICAL	108	108	.0	15	17	13.3	10	17	70.0	5	1	-80.0	78	73	-6.4
ENGINEERING SCIENCE	2	23	1050.0	1	7	600.0	1	5	400.0	0	2	**	0	9	**
INDUSTRIAL	52	67	28.8	8	5	-37.5	18	17	-5.6	1	0	-100.0	25	45	80.0
MECHANICAL	29	47	62.1	3	4	33.3	2	8	300.0	1	0	-100.0	23	35	52.2
METALLURGICAL/MATERIALS	7	6	-14.3	1	1	.0	1	1	.0	1	0	-100.0	4	4	.0
MINING	11	11	.0	5	6	20.0	3	3	.0	2	0	-100.0	1	2	100.0
NUCLEAR	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
PETROLEUM	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
ENGINEERING, NEC.	378	223	-41.0	24	9	-62.5	19	15	-21.1	3	10	233.3	332	189	-43.1
PHYSICAL SCIENCES	568	650	14.4	23	42	82.6	335	359	7.2	22	38	72.7	188	211	12.2
ASTRONOMY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
CHEMISTRY	375	472	25.9	18	36	100.0	225	256	13.8	7	38	442.9	125	142	13.6
PHYSICS	166	136	-18.1	5	5	.0	105	92	-12.4	14	0	-100.0	42	39	-7.1
PHYSICAL SCIENCES, NEC.	27	42	55.6	0	1	**	5	11	120.0	1	0	-100.0	21	30	42.9
ENVIRONMENTAL SCIENCES	304	341	12.2	40	31	-22.5	122	139	13.9	13	14	7.7	129	157	21.7
ATMOSPHERIC SCIENCES	0	4	**	0	0	**	0	2	**	0	0	**	0	2	**
GEOSCIENCES	186	188	1.1	34	24	-29.4	83	89	7.2	4	14	250.0	65	61	-6.2
OCEANOGRAPHY	44	34	-22.7	1	2	100.0	13	14	7.7	7	0	-100.0	23	18	-21.7
ENVIRONMENTAL SCIENCES, NEC.	74	115	55.4	5	5	.0	26	34	30.8	2	0	-100.0	41	76	85.4
MATHEMATICAL SCIENCES	831	693	-16.6	45	46	2.2	298	277	-7.0	19	12	-36.8	469	358	-23.7
COMPUTER SCIENCE	157	180	14.6	12	18	50.0	33	21	-36.4	5	3	-40.0	107	138	29.0
MATHEMATICS AND APPLIED MATHEMATICS	653	499	-23.6	33	28	-15.2	265	254	-4.2	14	9	-35.7	341	208	-39.0
STATISTICS	21	14	-33.3	0	0	**	0	2	**	0	0	**	21	12	-42.9
LIFE SCIENCES	3,808	3,776	-.8	357	420	17.6	1,125	1,148	2.0	171	136	-20.5	2,155	2,072	-3.9
AGRICULTURAL SCIENCES	519	428	-17.5	63	61	-3.2	56	61	8.9	18	17	-5.6	382	289	-24.3
BIOLOGICAL SCIENCES	2,214	2,104	-5.0	156	186	19.2	958	883	-7.8	70	57	-18.6	1,030	978	-5.0
ANATOMY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
BIOCHEMISTRY	24	19	-20.8	1	2	100.0	20	15	-25.0	0	0	**	3	2	-33.3
BIOLOGY	1,903	1,820	-4.4	123	157	27.6	826	771	-6.7	48	45	-6.3	906	847	-6.5
BIOMETRY/EPIDEMIOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
BIOPHYSICS	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
BOTANY	54	19	-64.8	6	1	-83.3	25	11	-56.0	3	1	-66.7	20	6	-70.0
CELL BIOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
ECOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
ENTOMOLOGY/PARASITOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
GENETICS	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
MICROBIOLOGY	73	70	-4.1	8	4	-50.0	43	43	.0	1	2	100.0	21	21	.0
NUTRITION	44	89	102.3	2	4	100.0	16	14	-12.5	2	6	200.0	24	65	170.8
PATHOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
PHARMACOLOGY	0	10	**	0	3	**	0	4	**	0	1	**	0	2	**
PHYSIOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
ZOOLOGY	45	36	-20.0	0	1	**	12	16	33.3	6	0	-100.0	27	19	-29.6
BIOSCIENCES, NEC.	71	41	-42.3	16	14	-12.5	16	9	-43.8	10	2	-80.0	29	16	-44.8
HEALTH SCIENCES	1,075	1,244	15.7	138	173	25.4	111	204	83.8	83	62	-25.3	743	805	8.3
ANESTHESIOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
CARDIOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
CLINICAL PHARMACOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
DENTISTRY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
ENDOCRINOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
GASTROENTEROLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
HEMATOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
NEUROLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
NURSING	68	165	142.6	9	24	166.7	5	11	120.0	0	3	**	54	127	135.2
OBSTETRICS/GYNECOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
OPHTHALMOLOGY	0	1	**	0	0	**	0	0	**	0	1	**	0	0	**
OTORHINOLARYNGOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
PEDIATRICS	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
PHARMACEUTICAL SCIENCES	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	56	44	-21.4	11	14	27.3	6	11	83.3	15	3	-80.0	24	16	-33.3
PSYCHIATRY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
PULMONARY DISEASE	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
RADIOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
SPEECH PATH/AUDIOLOGY	442	580	31.2	94	115	22.3	89	143	60.7	4	27	575.0	255	295	15.7
SURGERY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
VETERINARY SCIENCES	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
CLINICAL MEDICINE, NEC.	4	31	675.0	0	0	**	0	0	**	2	15	650.0	2	16	700.0
HEALTH RELATED, NEC.	505	423	-16.2	24	20	-16.7	11	39	254.5	62	13	-79.0	408	351	-14.0
PSYCHOLOGY	2,970	3,308	11.4	199	269	35.2	543	801	47.5	37	69	86.5	2,191	2,169	-1.0
SOCIAL SCIENCES	3,473	4,120	18.6	458	581	26.9	569	661	16.2	133	138	3.8	2,313	2,740	18.5
AGRICULTURAL ECONOMICS	13	18	38.5	0	0	**	5	6	20.0	3	0	-100.0	5	12	140.0
ANTHROPOLOGY	165	166	.6	23	21	-8.7	25	16	-36.0	7	3	-57.1	110	126	14.5
ECONOMICS (EXCEPT AGRICULTURAL)	318	303	-4.7	33	23	-30.3	53	63	18.9	9	16	77.8	223	201	-9.9
GEOGRAPHY	254	214	-15.7	17	6	-64.7	83	102	22.9	11	1	-90.9	143	105	-26.6
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
LINGUISTICS	136	99	-27.2	10	8	-20.0	22	32	45.5	1	0	-100.0	103	59	-42.7
POLITICAL SCIENCE	1,345	1,519	12.9	207	208	.5	162	169	4.3	58	54	-6.9	918	1,088	18.5
SOCIOLOGY	670	598	-10.7	95	42	-55.8	142	166	16.9	11	8	-27.3	422	382	-9.5
SOCIOLOGY/ANTHROPOLOGY	3	5	66.7	2	2	.0	0	2	**	0	0	**	1	1	.0
SOCIAL SCIENCES, NEC.	569	1,198	110.5	71	271	281.7	77	105	36.4	33	56	69.7	388	766	97.4

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-12. FULL-TIME GRADUATE STUDENTS IN PRIVATELY CONTROLLED MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			FEDERAL SUPPORT			INSTITUTIONAL SUPPORT			OTHER OUTSIDE SUPPORT			SELF-SUPPORT		
	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE
TOTAL, ALL FIELDS	5,474	6,456	17.9	825	897	8.7	774	742	-4.1	285	414	45.3	3,590	4,403	22.6
ENGINEERING	222	322	45.0	28	31	10.7	35	53	51.4	29	41	41.4	130	197	51.5
AERONAUTICAL	6	7	16.7	0	0	**	0	0	**	3	0	-100.0	3	7	133.3
AGRICULTURAL	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
BIOMEDICAL	2	0	-100.0	0	0	**	0	0	**	0	0	**	2	0	-100.0
CHEMICAL	25	20	-20.0	0	0	**	5	6	20.0	4	11	175.0	16	3	-81.3
CIVIL	32	34	6.3	9	16	77.8	4	8	100.0	5	0	-100.0	14	10	-28.6
ELECTRICAL	51	107	109.8	6	7	16.7	5	14	180.0	6	23	283.3	34	63	85.3
ENGINEERING SCIENCE	9	8	-11.1	0	0	**	4	5	25.0	0	0	**	5	3	-40.0
INDUSTRIAL	59	74	25.4	6	2	-66.7	10	9	-10.0	4	1	-75.0	39	62	59.0
MECHANICAL	30	43	43.3	7	3	-57.1	6	5	-16.7	0	2	**	17	33	94.1
METALLURGICAL/MATERIALS	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
MINING	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
NUCLEAR	0	5	**	0	2	**	0	2	**	0	0	**	0	1	**
PETROLEUM	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
ENGINEERING, NEC.	8	24	200.0	0	1	**	1	4	300.0	7	4	-42.9	0	15	**
PHYSICAL SCIENCES	110	159	44.5	9	9	.0	81	86	6.2	4	12	200.0	16	52	225.0
ASTRONOMY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
CHEMISTRY	78	120	53.8	6	6	.0	57	58	1.8	2	8	300.0	13	48	269.2
PHYSICS	32	34	6.3	3	3	.0	24	25	4.2	2	3	50.0	3	3	.0
PHYSICAL SCIENCES, NEC.	0	5	**	0	0	**	0	3	**	0	1	**	0	1	**
ENVIRONMENTAL SCIENCES	26	50	92.3	3	0	-100.0	9	6	-33.3	1	0	-100.0	13	44	238.5
ATMOSPHERIC SCIENCES ...	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
GEOSCIENCES	2	0	-100.0	0	0	**	1	0	-100.0	0	0	**	1	0	-100.0
OCEANOGRAPHY	0	13	**	0	0	**	0	5	**	0	0	**	0	8	**
ENVIRONMENTAL SCIENCES, NEC.	24	37	54.2	3	0	-100.0	8	1	-87.5	1	0	-100.0	12	36	200.0
MATHEMATICAL SCIENCES	335	266	-20.6	17	16	-5.9	72	38	-47.2	27	1	-96.3	219	211	-3.7
COMPUTER SCIENCE	273	200	-26.7	15	14	-6.7	48	17	-64.6	24	1	-95.8	186	168	-9.7
MATHEMATICS AND APPLIED MATHEMATICS ..	60	64	6.7	2	1	-50.0	24	21	-12.5	1	0	-100.0	33	42	27.3
STATISTICS	2	2	.0	0	1	**	0	0	**	2	0	-100.0	0	1	**
LIFE SCIENCES	976	1,129	15.7	119	116	-2.5	229	226	-1.3	49	55	12.2	579	732	26.4
AGRICULTURAL SCIENCES	56	62	10.7	25	15	-40.0	3	4	33.3	0	1	**	28	42	50.0
BIOLOGICAL SCIENCES	381	372	-2.4	22	11	-50.0	143	146	2.1	24	26	8.3	192	189	-1.6
ANATOMY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
BIOCHEMISTRY	22	14	-36.4	0	0	**	5	6	20.0	0	0	**	17	8	-52.9
BIOLOGY	275	221	-19.6	20	10	-50.0	127	125	-1.6	9	7	-22.2	119	79	-33.6
BIOMETRY/EPIDEMIOLOGY ..	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
BIOPHYSICS	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
BOTANY	1	1	.0	0	0	**	1	1	.0	0	0	**	0	0	**
CELL BIOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
ECOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
ENTOMOLOGY/PARASITOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
GENETICS	32	38	18.8	0	0	**	0	0	**	15	19	26.7	17	19	11.8
MICROBIOLOGY	39	73	87.2	2	1	-50.0	2	2	.0	0	0	**	35	70	100.0
NUTRITION	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
PATHOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
PHARMACOLOGY	0	1	**	0	0	**	0	1	**	0	0	**	0	0	**
PHYSIOLOGY	5	15	200.0	0	0	**	2	3	50.0	0	0	**	3	12	300.0
ZOOLOGY	6	6	.0	0	0	**	6	6	.0	0	0	**	0	0	**
BIOSCIENCES, NEC.	1	3	200.0	0	0	**	0	2	**	0	0	**	1	1	.0
HEALTH SCIENCES	539	695	28.9	72	90	25.0	83	76	-8.4	25	28	12.0	359	501	39.6
ANESTHESIOLOGY	0	1	**	0	0	**	0	1	**	0	0	**	0	0	**
CARDIOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
CLINICAL PHARMACOLOGY ..	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
DENTISTRY	21	26	23.8	0	0	**	0	0	**	0	0	**	21	26	23.8
ENDOCRINOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
GASTROENTEROLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
HEMATOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
NEUROLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
NURSING	128	180	40.6	35	38	8.6	6	8	33.3	2	5	150.0	85	129	51.8
OBSTETRICS/GYNECOLOGY ..	3	2	-33.3	0	0	**	3	2	-33.3	0	0	**	0	0	**
OPHTHALMOLOGY	5	3	-40.0	0	0	**	3	1	-66.7	0	0	**	2	2	.0
OTORHINOLARYNGOLOGY	2	2	.0	0	0	**	2	2	.0	0	0	**	0	0	**
PEDIATRICS	2	3	50.0	0	0	**	2	3	50.0	0	0	**	0	0	**
PHARMACEUTICAL SCIENCES	0	20	**	0	0	**	0	10	**	0	0	**	0	10	**
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
PSYCHIATRY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
PULMONARY DISEASE	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
RADIOLOGY	1	1	.0	0	0	**	1	1	.0	0	0	**	0	0	**
SPEECH PATH/AUDIOLOGY ..	163	184	12.9	34	32	-5.9	41	24	-41.5	1	8	700.0	87	120	37.9
SURGERY	6	7	16.7	0	0	**	6	7	16.7	0	0	**	0	0	**
VETERINARY SCIENCES	21	16	-23.8	3	3	.0	2	3	50.0	0	1	**	16	9	-43.8
CLINICAL MEDICINE, NEC.	6	7	16.7	0	0	**	6	7	16.7	0	0	**	0	0	**
HEALTH RELATED, NEC. ...	181	243	34.3	0	17	**	11	7	-36.4	22	14	-36.4	148	205	38.5
PSYCHOLOGY	1,368	1,445	5.6	87	118	35.6	171	200	17.0	49	123	151.0	1,061	1,004	-5.4
SOCIAL SCIENCES	2,437	3,085	26.6	562	607	8.0	177	133	-24.9	126	182	44.4	1,572	2,163	37.6
AGRICULTURAL ECONOMICS .	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
ANTHROPOLOGY	1	2	100.0	0	0	**	0	0	**	0	0	**	1	2	100.0
ECONOMICS (EXCEPT AGRICULTURAL)	89	59	-33.7	4	2	-50.0	11	8	-27.3	34	25	-26.5	40	24	-40.0
GEOGRAPHY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
LINGUISTICS	6	15	150.0	1	0	-100.0	1	4	300.0	0	0	**	4	11	175.0
POLITICAL SCIENCE	609	886	45.5	152	132	-13.2	70	64	-8.6	25	85	240.0	362	605	67.1
SOCIOLOGY	232	171	-26.3	51	5	-90.2	12	7	-41.7	36	32	-11.1	133	127	-4.5
SOCIOLOGY/ANTHROPOLOGY .	15	15	.0	12	9	-25.0	3	5	66.7	0	0	**	0	1	**
SOCIAL SCIENCES, NEC. ..	1,485	1,937	30.4	342	459	34.2	80	45	-43.8	31	40	29.0	1,032	1,393	35.0

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-13. FULL-TIME GRADUATE STUDENTS IN ALL MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND SEX: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			MEN			WOMEN		
	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE
TOTAL, ALL FIELDS	18,174	19,976	9.9	11,457	11,802	3.0	6,717	8,174	21.7
ENGINEERING	968	954	-1.4	908	892	-1.8	60	62	3.3
AERONAUTICAL	12	9	-25.0	12	9	-25.0	0	0	**
AGRICULTURAL	3	8	166.7	3	6	100.0	0	2	**
BIOMEDICAL	2	0	-100.0	2	0	-100.0	0	0	**
CHEMICAL	36	38	5.6	35	35	.0	1	3	200.0
CIVIL	171	153	-10.5	151	137	-9.3	20	16	-20.0
ELECTRICAL	159	215	35.2	148	208	40.5	11	7	-36.4
ENGINEERING SCIENCE	11	31	181.8	11	28	154.5	0	3	**
INDUSTRIAL	111	141	27.0	110	136	23.6	1	5	400.0
MECHANICAL	59	90	52.5	56	89	58.9	3	1	-66.7
METALLURGICAL/MATERIALS	7	6	-14.3	5	4	-20.0	2	2	.0
MINING	11	11	.0	10	11	10.0	1	0	-100.0
NUCLEAR	0	5	**	0	5	**	0	0	**
PETROLEUM	0	0	**	0	0	**	0	0	**
ENGINEERING, NEC.	386	247	-36.0	365	224	-38.6	21	23	9.5
PHYSICAL SCIENCES	678	809	19.3	539	622	15.4	139	187	34.5
ASTRONOMY	0	0	**	0	0	**	0	0	**
CHEMISTRY	453	592	30.7	345	450	30.4	108	142	31.5
PHYSICS	198	170	-14.1	173	137	-20.8	25	33	32.0
PHYSICAL SCIENCES, NEC.	27	47	74.1	21	35	66.7	6	12	100.0
ENVIRONMENTAL SCIENCES	330	391	18.5	274	312	13.9	56	79	41.1
ATMOSPHERIC SCIENCES	0	4	**	0	3	**	0	1	**
GEOSCIENCES	188	188	.0	160	167	4.4	28	21	-25.0
OCEANOGRAPHY	44	47	6.8	33	33	.0	11	14	27.3
ENVIRONMENTAL SCIENCES, NEC.	98	152	55.1	81	109	34.6	17	43	152.9
MATHEMATICAL SCIENCES	1,166	959	-17.8	824	695	-15.7	342	264	-22.8
COMPUTER SCIENCE	430	380	-11.6	347	294	-15.3	83	86	3.6
MATHEMATICS AND APPLIED MATHEMATICS	713	563	-21.0	458	389	-15.1	255	174	-31.8
STATISTICS	23	16	-30.4	19	12	-36.8	4	4	.0
LIFE SCIENCES	4,784	4,905	2.5	2,830	2,668	-5.7	1,954	2,237	14.5
AGRICULTURAL SCIENCES	575	490	-14.8	448	409	-8.7	127	81	-36.2
BIOLOGICAL SCIENCES	2,595	2,476	-4.6	1,762	1,641	-6.9	833	835	.2
ANATOMY	0	0	**	0	0	**	0	0	**
BIOCHEMISTRY	46	33	-28.3	32	27	-15.6	14	6	-57.1
BIOLOGY	2,178	2,041	-6.3	1,516	1,391	-8.2	662	650	-1.8
BIOMETRY/EPIDEMIOLOGY	0	0	**	0	0	**	0	0	**
BIOPHYSICS	0	0	**	0	0	**	0	0	**
BOTANY	55	20	-63.6	31	13	-58.1	24	7	-70.8
CELL BIOLOGY	0	0	**	0	0	**	0	0	**
ECOLOGY	0	0	**	0	0	**	0	0	**
ENTOMOLOGY/PARASITOLOGY	0	0	**	0	0	**	0	0	**
GENETICS	32	38	18.8	5	2	-60.0	27	36	33.3
MICROBIOLOGY	112	143	27.7	86	114	32.6	26	29	11.5
NUTRITION	44	89	102.3	4	12	200.0	40	77	92.5
PATHOLOGY	0	0	**	0	0	**	0	0	**
PHARMACOLOGY	0	11	**	0	8	**	0	3	**
PHYSIOLOGY	5	15	200.0	5	13	160.0	0	2	**
ZOOLOGY	51	42	-17.6	31	32	3.2	20	10	-50.0
BIOSCIENCES, NEC.	72	44	-38.9	52	29	-44.2	20	15	-25.0
HEALTH SCIENCES	1,614	1,939	20.1	620	618	-.3	994	1,321	32.9
ANESTHESIOLOGY	0	1	**	0	1	**	0	0	**
CARDIOLOGY	0	0	**	0	0	**	0	0	**
CLINICAL PHARMACOLOGY	0	0	**	0	0	**	0	0	**
DENTISTRY	21	26	23.8	20	23	15.0	1	3	200.0
ENDOCRINOLOGY	0	0	**	0	0	**	0	0	**
GASTROENTEROLOGY	0	0	**	0	0	**	0	0	**
HEMATOLOGY	0	0	**	0	0	**	0	0	**
NEUROLOGY	0	0	**	0	0	**	0	0	**
NURSING	196	345	76.0	25	27	8.0	171	318	86.0
OBSTETRICS/GYNECOLOGY	3	2	-33.3	3	2	-33.3	0	0	**
OPHTHALMOLOGY	5	4	-20.0	5	4	-20.0	0	0	**
OTORHINOLARYNGOLOGY	2	2	.0	2	2	.0	0	0	**
PEDIATRICS	2	3	50.0	1	1	.0	1	2	100.0
PHARMACEUTICAL SCIENCES	0	20	**	0	18	**	0	2	**
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	56	44	-21.4	38	29	-23.7	18	15	-16.7
PSYCHIATRY	0	0	**	0	0	**	0	0	**
PULMONARY DISEASE	0	0	**	0	0	**	0	0	**
RADIOLOGY	1	1	.0	1	1	.0	0	0	**
SPEECH PATHOLOGY/AUDIOLOGY	605	764	26.3	95	103	8.4	510	661	29.6
SURGERY	6	7	16.7	6	6	.0	0	1	**
VETERINARY SCIENCES	21	16	-23.8	15	11	-26.7	6	5	-16.7
CLINICAL MEDICINE, NEC.	10	38	280.0	8	20	150.0	2	18	800.0
HEALTH RELATED, NEC.	686	666	-2.9	401	370	-7.7	285	296	3.9
PSYCHOLOGY	4,338	4,753	9.6	2,378	2,417	1.6	1,960	2,336	19.2
SOCIAL SCIENCES	5,910	7,205	21.9	3,704	4,196	13.3	2,206	3,009	36.4
AGRICULTURAL ECONOMICS	13	18	38.5	13	17	30.8	0	1	**
ANTHROPOLOGY	166	168	1.2	102	90	-11.8	64	78	21.9
ECONOMICS (EXCEPT AGRICULTURAL)	407	362	-11.1	324	290	-10.5	83	72	-13.3
GEOGRAPHY	254	214	-15.7	190	157	-17.4	64	57	-10.9
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	**	0	0	**	0	0	**
LINGUISTICS	142	114	-19.7	66	50	-24.2	76	64	-15.8
POLITICAL SCIENCE	1,954	2,405	23.1	1,379	1,788	29.7	575	617	7.3
SOCIOLOGY	902	769	-14.7	549	459	-16.4	353	310	-12.2
SOCIOLOGY/ANTHROPOLOGY	18	20	11.1	6	6	.0	12	14	16.7
SOCIAL SCIENCES, NEC.	2,054	3,135	52.6	1,075	1,339	24.6	979	1,796	83.5

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-14. FULL-TIME GRADUATE STUDENTS IN PUBLICLY CONTROLLED MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND SEX: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			MEN			WOMEN		
	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE
TOTAL, ALL FIELDS	12,700	13,520	6.5	8,207	8,167	-0.5	4,493	5,353	19.1
ENGINEERING	746	632	-15.3	692	578	-16.5	54	54	.0
AERONAUTICAL	6	2	-66.7	6	2	-66.7	0	0	**
AGRICULTURAL	3	8	166.7	3	6	100.0	0	2	**
BIOMEDICAL	0	0	**	0	0	**	0	0	**
CHEMICAL	11	18	63.6	11	17	54.5	0	1	**
CIVIL	139	119	-14.4	122	103	-15.6	17	16	-5.9
ELECTRICAL	108	108	.0	99	103	4.0	9	5	-44.4
ENGINEERING SCIENCE	2	23	1050.0	2	20	900.0	0	3	**
INDUSTRIAL	52	67	28.8	51	65	27.5	1	2	100.0
MECHANICAL	29	47	62.1	26	46	76.9	3	1	-66.7
METALLURGICAL/MATERIALS	7	6	-14.3	5	4	-20.0	2	2	.0
MINING	11	11	.0	10	11	10.0	1	0	-100.0
NUCLEAR	0	0	**	0	0	**	0	0	**
PETROLEUM	0	0	**	0	0	**	0	0	**
ENGINEERING, NEC.	378	223	-41.0	357	201	-43.7	21	22	4.8
PHYSICAL SCIENCES	568	650	14.4	457	501	9.6	111	149	34.2
ASTRONOMY	0	0	**	0	0	**	0	0	**
CHEMISTRY	375	472	25.9	292	360	23.3	83	112	34.9
PHYSICS	166	136	-18.1	144	110	-23.6	22	26	18.2
PHYSICAL SCIENCES, NEC.	27	42	55.6	21	31	47.6	6	11	83.3
ENVIRONMENTAL SCIENCES	304	341	12.2	250	270	8.0	54	71	31.5
ATMOSPHERIC SCIENCES	0	4	**	0	3	**	0	1	**
GEOSCIENCES	186	188	1.1	158	167	5.7	28	21	-25.0
OCEANOGRAPHY	44	34	-22.7	33	23	-30.3	11	11	.0
ENVIRONMENTAL SCIENCES, NEC.	74	115	55.4	59	77	30.5	15	38	153.3
MATHEMATICAL SCIENCES	831	693	-16.6	556	475	-14.6	275	218	-20.7
COMPUTER SCIENCE	157	180	14.6	121	127	5.0	36	53	47.2
MATHEMATICS AND APPLIED MATHEMATICS	653	499	-23.6	418	338	-19.1	235	161	-31.5
STATISTICS	21	14	-33.3	17	10	-41.2	4	4	.0
LIFE SCIENCES	3,808	3,776	-.8	2,321	2,089	-10.0	1,487	1,687	13.4
AGRICULTURAL SCIENCES	519	428	-17.5	407	356	-12.5	112	72	-35.7
BIOLOGICAL SCIENCES	2,214	2,104	-5.0	1,521	1,408	-7.4	693	696	.4
ANATOMY	0	0	**	0	0	**	0	0	**
BIOCHEMISTRY	24	19	-20.8	16	16	.0	8	3	-62.5
BIOLOGY	1,903	1,820	-4.4	1,342	1,257	-6.3	561	563	.4
BIOMETRY/EPIDEMIOLOGY	0	0	**	0	0	**	0	0	**
BIOPHYSICS	0	0	**	0	0	**	0	0	**
BOTANY	54	19	-64.8	30	12	-60.0	24	7	-70.8
CELL BIOLOGY	0	0	**	0	0	**	0	0	**
ECOLOGY	0	0	**	0	0	**	0	0	**
ENTOMOLOGY/PARASITOLOGY	0	0	**	0	0	**	0	0	**
GENETICS	0	0	**	0	0	**	0	0	**
MICROBIOLOGY	73	70	-4.1	53	51	-3.8	20	19	-5.0
NUTRITION	44	89	102.3	4	12	200.0	40	77	92.5
PATHOLOGY	0	0	**	0	0	**	0	0	**
PHARMACOLOGY	0	10	**	0	7	**	0	3	**
PHYSIOLOGY	0	0	**	0	0	**	0	0	**
ZOOLOGY	45	36	-20.0	25	26	4.0	20	10	-50.0
BIOSCIENCES, NEC.	71	41	-42.3	51	27	-47.1	20	14	-30.0
HEALTH SCIENCES	1,075	1,244	15.7	393	325	-17.3	682	919	34.8
ANESTHESIOLOGY	0	0	**	0	0	**	0	0	**
CARDIOLOGY	0	0	**	0	0	**	0	0	**
CLINICAL PHARMACOLOGY	0	0	**	0	0	**	0	0	**
DENTISTRY	0	0	**	0	0	**	0	0	**
ENDOCRINOLOGY	0	0	**	0	0	**	0	0	**
GASTROENTEROLOGY	0	0	**	0	0	**	0	0	**
HEMATOLOGY	0	0	**	0	0	**	0	0	**
NEUROLOGY	0	0	**	0	0	**	0	0	**
NURSING	68	165	142.6	16	18	12.5	52	147	182.7
OBSTETRICS/GYNECOLOGY	0	0	**	0	0	**	0	0	**
OPHTHALMOLOGY	0	1	**	0	1	**	0	0	**
OTORHINOLARYNGOLOGY	0	0	**	0	0	**	0	0	**
PEDIATRICS	0	0	**	0	0	**	0	0	**
PHARMACEUTICAL SCIENCES	0	0	**	0	0	**	0	0	**
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	56	44	-21.4	38	29	-23.7	18	15	-16.7
PSYCHIATRY	0	0	**	0	0	**	0	0	**
PULMONARY DISEASE	0	0	**	0	0	**	0	0	**
RADIOLOGY	0	0	**	0	0	**	0	0	**
SPEECH PATHOLOGY/AUDIOLOGY	442	580	31.2	83	79	-4.8	359	501	39.6
SURGERY	0	0	**	0	0	**	0	0	**
VETERINARY SCIENCES	0	0	**	0	0	**	0	0	**
CLINICAL MEDICINE, NEC.	4	31	675.0	2	13	550.0	2	18	800.0
HEALTH RELATED, NEC.	505	423	-16.2	254	185	-27.2	251	238	-5.2
PSYCHOLOGY	2,970	3,308	11.4	1,643	1,735	5.6	1,327	1,573	18.5
SOCIAL SCIENCES	3,473	4,120	18.6	2,288	2,519	10.1	1,185	1,601	35.1
AGRICULTURAL ECONOMICS	13	18	38.5	13	17	30.8	0	1	**
ANTHROPOLOGY	165	166	.6	101	89	-11.9	64	77	20.3
ECONOMICS (EXCEPT AGRICULTURAL)	318	303	-4.7	253	240	-5.1	65	63	-3.1
GEOGRAPHY	254	214	-15.7	190	157	-17.4	64	57	-10.9
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	**	0	0	**	0	0	**
LINGUISTICS	136	99	-27.2	63	44	-30.2	73	55	-24.7
POLITICAL SCIENCE	1,345	1,519	12.9	950	1,127	18.6	395	392	-.8
SOCIOLOGY	670	598	-10.7	420	351	-16.4	250	247	-1.2
SOCIOLOGY/ANTHROPOLOGY	3	5	66.7	0	0	**	3	5	66.7
SOCIAL SCIENCES, NEC.	569	1,198	110.5	298	494	65.8	271	704	159.8

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-15. FULL-TIME GRADUATE STUDENTS IN PRIVATELY CONTROLLED MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND SEX: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			MEN			WOMEN		
	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE
TOTAL, ALL FIELDS	5,474	6,456	17.9	3,250	3,635	11.8	2,224	2,821	26.8
ENGINEERING	222	322	45.0	216	314	45.4	6	8	33.3
AERONAUTICAL	6	7	16.7	6	7	16.7	0	0	**
AGRICULTURAL	0	0	**	0	0	**	0	0	**
BIOMEDICAL	2	0	-100.0	2	0	-100.0	0	0	**
CHEMICAL	25	20	-20.0	24	18	-25.0	1	2	100.0
CIVIL	32	34	6.3	29	34	17.2	3	0	-100.0
ELECTRICAL	51	107	109.8	49	105	114.3	2	2	.0
ENGINEERING SCIENCE	9	8	-11.1	9	8	-11.1	0	0	**
INDUSTRIAL	59	74	25.4	59	71	20.3	0	3	**
MECHANICAL	30	43	43.3	30	43	43.3	0	0	**
METALLURGICAL/MATERIALS	0	0	**	0	0	**	0	0	**
MINING	0	0	**	0	0	**	0	0	**
NUCLEAR	0	5	**	0	5	**	0	0	**
PETROLEUM	0	0	**	0	0	**	0	0	**
ENGINEERING, NEC.	8	24	200.0	8	23	187.5	0	1	**
PHYSICAL SCIENCES	110	159	44.5	82	121	47.6	28	38	35.7
ASTRONOMY	0	0	**	0	0	**	0	0	**
CHEMISTRY	78	120	53.8	53	90	69.8	25	30	20.0
PHYSICS	32	34	6.3	29	27	-6.9	3	7	133.3
PHYSICAL SCIENCES, NEC.	0	5	**	0	4	**	0	1	**
ENVIRONMENTAL SCIENCES	26	50	92.3	24	42	75.0	2	8	300.0
ATMOSPHERIC SCIENCES	0	0	**	0	0	**	0	0	**
GEOSCIENCES	2	0	-100.0	2	0	-100.0	0	0	**
OCEANOGRAPHY	0	13	**	0	10	**	0	3	**
ENVIRONMENTAL SCIENCES, NEC.	24	37	54.2	22	32	45.5	2	5	150.0
MATHEMATICAL SCIENCES	335	266	-20.6	268	220	-17.9	67	46	-31.3
COMPUTER SCIENCE	273	200	-26.7	226	167	-26.1	47	33	-29.8
MATHEMATICS AND APPLIED MATHEMATICS	60	64	6.7	40	51	27.5	20	13	-35.0
STATISTICS	2	2	.0	2	2	.0	0	0	**
LIFE SCIENCES	976	1,129	15.7	509	579	13.8	467	550	17.8
AGRICULTURAL SCIENCES	56	62	10.7	41	53	29.3	15	9	-40.0
BIOLOGICAL SCIENCES	381	372	-2.4	241	233	-3.3	140	139	-.7
ANATOMY	0	0	**	0	0	**	0	0	**
BIOCHEMISTRY	22	14	-36.4	16	11	-31.3	6	3	-50.0
BIOLOGY	275	221	-19.6	174	134	-23.0	101	87	-13.9
BIOMETRY/EPIDEMIOLOGY	0	0	**	0	0	**	0	0	**
BIOPHYSICS	0	0	**	0	0	**	0	0	**
BOTANY	1	1	.0	1	1	.0	0	0	**
CELL BIOLOGY	0	0	**	0	0	**	0	0	**
ECOLOGY	0	0	**	0	0	**	0	0	**
ENTOMOLOGY/PARASITOLOGY	0	0	**	0	0	**	0	0	**
GENETICS	32	38	18.8	5	2	-60.0	27	36	33.3
MICROBIOLOGY	39	73	87.2	33	63	90.9	6	10	66.7
NUTRITION	0	0	**	0	0	**	0	0	**
PATHOLOGY	0	0	**	0	0	**	0	0	**
PHARMACOLOGY	0	1	**	0	1	**	0	0	**
PHYSIOLOGY	5	15	200.0	5	13	160.0	0	2	**
ZOOLOGY	6	6	.0	6	6	.0	0	0	**
BIOSCIENCES, NEC.	1	3	200.0	1	2	100.0	0	1	**
HEALTH SCIENCES	539	695	28.9	227	293	29.1	312	402	28.8
ANESTHESIOLOGY	0	1	**	0	1	**	0	0	**
CARDIOLOGY	0	0	**	0	0	**	0	0	**
CLINICAL PHARMACOLOGY	0	0	**	0	0	**	0	0	**
DENTISTRY	21	26	23.8	20	23	15.0	1	3	200.0
ENDOCRINOLOGY	0	0	**	0	0	**	0	0	**
GASTROENTEROLOGY	0	0	**	0	0	**	0	0	**
HEMATOLOGY	0	0	**	0	0	**	0	0	**
NEUROLOGY	0	0	**	0	0	**	0	0	**
NURSING	128	180	40.6	9	9	.0	119	171	43.7
OBSTETRICS/GYNECOLOGY	3	2	-33.3	3	2	-33.3	0	0	**
OPHTHALMOLOGY	5	3	-40.0	5	3	-40.0	0	0	**
OTORHINOLARYNGOLOGY	2	2	.0	2	2	.0	0	0	**
PEDIATRICS	2	3	50.0	1	1	.0	1	2	100.0
PHARMACEUTICAL SCIENCES	0	20	**	0	18	**	0	2	**
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	0	0	**	0	0	**	0	0	**
PSYCHIATRY	0	0	**	0	0	**	0	0	**
PULMONARY DISEASE	0	0	**	0	0	**	0	0	**
RADIOLOGY	1	1	.0	1	1	.0	0	0	**
SPEECH PATHOLOGY/AUDIOLOGY	163	184	12.9	12	24	100.0	151	160	6.0
SURGERY	6	7	16.7	6	6	.0	0	1	**
VETERINARY SCIENCES	21	16	-23.8	15	11	-26.7	6	5	-16.7
CLINICAL MEDICINE, NEC.	6	7	16.7	6	7	16.7	0	0	**
HEALTH RELATED, NEC.	181	243	34.3	147	185	25.9	34	58	70.6
PSYCHOLOGY	1,368	1,445	5.6	735	682	-7.2	633	763	20.5
SOCIAL SCIENCES	2,437	3,085	26.6	1,416	1,677	18.4	1,021	1,408	37.9
AGRICULTURAL ECONOMICS	0	0	**	0	0	**	0	0	**
ANTHROPOLOGY	1	2	100.0	1	1	.0	0	1	**
ECONOMICS (EXCEPT AGRICULTURAL)	89	59	-33.7	71	50	-29.6	18	9	-50.0
GEOGRAPHY	0	0	**	0	0	**	0	0	**
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	**	0	0	**	0	0	**
LINGUISTICS	6	15	150.0	3	6	100.0	3	9	200.0
POLITICAL SCIENCE	609	886	45.5	429	661	54.1	180	225	25.0
SOCIOLOGY	232	171	-26.3	129	108	-16.3	103	63	-38.8
SOCIOLOGY/ANTHROPOLOGY	15	15	.0	6	6	.0	9	9	.0
SOCIAL SCIENCES, NEC.	1,485	1,937	30.4	777	845	8.8	708	1,092	54.2

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-16. PART-TIME GRADUATE STUDENTS IN ALL MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND SEX: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			MEN			WOMEN		
	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE
TOTAL, ALL FIELDS	30,422	36,292	19.3	19,385	22,834	17.8	11,037	13,458	21.9
ENGINEERING	3,492	4,239	21.4	3,250	4,010	23.4	242	229	-5.4
AERONAUTICAL	16	13	-18.8	16	13	-18.8	0	0	**
AGRICULTURAL	0	0	**	0	0	**	0	0	**
BIOMEDICAL	16	30	87.5	15	26	73.3	1	4	300.0
CHEMICAL	104	100	-3.8	89	96	7.9	15	4	-73.3
CIVIL	530	643	21.3	482	583	21.0	48	60	25.0
ELECTRICAL	733	986	34.5	712	958	34.6	21	28	33.3
ENGINEERING SCIENCE	53	154	190.6	52	145	178.8	1	9	800.0
INDUSTRIAL	543	670	23.4	516	631	22.3	27	39	44.4
MECHANICAL	456	526	15.4	442	510	15.4	14	16	14.3
METALLURGICAL/MATERIALS	36	59	63.9	35	51	45.7	1	8	700.0
MINING	0	0	**	0	0	**	0	0	**
NUCLEAR	12	14	16.7	11	12	9.1	1	2	100.0
PETROLEUM	0	0	**	0	0	**	0	0	**
ENGINEERING, NEC.	993	1,044	5.1	880	985	11.9	113	59	-47.8
PHYSICAL SCIENCES	1,132	1,274	12.5	859	976	13.6	273	298	9.2
ASTRONOMY	0	0	**	0	0	**	0	0	**
CHEMISTRY	836	890	6.5	604	640	6.0	232	250	7.8
PHYSICS	239	269	12.6	211	240	13.7	28	29	3.6
PHYSICAL SCIENCES, NEC.	57	115	101.8	44	96	118.2	13	19	46.2
ENVIRONMENTAL SCIENCES	663	828	24.9	499	648	29.9	164	180	9.8
ATMOSPHERIC SCIENCES	0	6	**	0	6	**	0	0	**
GEOSCIENCES	271	306	12.9	216	251	16.2	55	55	.0
OCEANOGRAPHY	9	130	1344.4	8	110	1275.0	1	20	1900.0
ENVIRONMENTAL SCIENCES, NEC.	383	386	.8	275	281	2.2	108	105	-2.8
MATHEMATICAL SCIENCES	2,801	3,052	9.0	1,917	2,089	9.0	884	963	8.9
COMPUTER SCIENCE	1,[illegible]43	1,351	29.5	835	1,068	27.9	208	283	36.1
MATHEMATICS AND APPLIED MATHEMATICS	1,586	1,522	-4.0	947	885	-6.5	639	637	-.3
STATISTICS	172	179	4.1	135	136	.7	37	43	16.2
LIFE SCIENCES	6,547	8,141	24.3	3,321	3,914	17.9	3,226	4,227	31.0
AGRICULTURAL SCIENCES	368	446	21.2	298	363	21.8	70	83	18.6
BIOLOGICAL SCIENCES	3,600	4,240	17.8	2,268	2,484	9.5	1,332	1,756	31.8
ANATOMY	0	0	**	0	0	**	0	0	**
BIOCHEMISTRY	112	100	-10.7	81	61	-24.7	31	39	25.8
BIOLOGY	3,086	3,509	13.7	1,969	2,149	9.1	1,117	1,360	21.8
BIOMETRY/EPIDEMIOLOGY	0	0	**	0	0	**	0	0	**
BIOPHYSICS	0	0	**	0	0	**	0	0	**
BOTANY	22	6	-72.7	16	5	-68.8	6	1	-83.3
CELL BIOLOGY	0	0	**	0	0	**	0	0	**
ECOLOGY	0	0	**	0	0	**	0	0	**
ENTOMOLOGY/PARASITOLOGY	0	0	**	0	0	**	0	0	**
GENETICS	19	14	-26.3	0	0	**	19	14	-26.3
MICROBIOLOGY	156	187	19.9	92	100	8.7	64	87	35.9
NUTRITION	56	111	98.2	2	8	300.0	54	103	90.7
PATHOLOGY	0	0	**	0	0	**	0	0	**
PHARMACOLOGY	0	2	**	0	1	**	0	1	**
PHYSIOLOGY	53	52	-1.9	46	44	-4.3	7	8	14.3
ZOOLOGY	8	4	-50.0	5	3	-40.0	3	1	-66.7
BIOSCIENCES, NEC.	88	255	189.8	57	113	98.2	31	142	358.1
HEALTH SCIENCES	2,579	3,455	34.0	755	1,067	41.3	1,824	2,388	30.9
ANESTHESIOLOGY	0	0	**	0	0	**	0	0	**
CARDIOLOGY	0	0	**	0	0	**	0	0	**
CLINICAL PHARMACOLOGY	0	0	**	0	0	**	0	0	**
DENTISTRY	0	0	**	0	0	**	0	0	**
ENDOCRINOLOGY	0	0	**	0	0	**	0	0	**
GASTROENTEROLOGY	0	0	**	0	0	**	0	0	**
HEMATOLOGY	0	0	**	0	0	**	0	0	**
NEUROLOGY	0	0	**	0	0	**	0	0	**
NURSING	437	625	43.0	17	26	52.9	420	599	42.6
OBSTETRICS/GYNECOLOGY	0	0	**	0	0	**	0	0	**
OPHTHALMOLOGY	5	5	.0	5	5	.0	0	0	**
OTORHINOLARYNGOLOGY	0	0	**	0	0	**	0	0	**
PEDIATRICS	0	0	**	0	0	**	0	0	**
PHARMACEUTICAL SCIENCES	0	102	**	0	78	**	0	24	**
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	49	88	79.6	13	42	223.1	36	46	27.8
PSYCHIATRY	0	0	**	0	0	**	0	0	**
PULMONARY DISEASE	0	0	**	0	0	**	0	0	**
RADIOLOGY	0	0	**	0	0	**	0	0	**
SPEECH PATHOLOGY/AUDIOLOGY	770	852	10.6	85	85	.0	685	767	12.0
SURGERY	0	0	**	0	0	**	0	0	**
VETERINARY SCIENCES	7	5	-28.6	4	3	-25.0	3	2	-33.3
CLINICAL MEDICINE, NEC.	43	71	65.1	13	25	92.3	30	46	53.3
HEALTH RELATED, NEC.	1,268	1,707	34.6	618	803	29.9	650	904	39.1
PSYCHOLOGY	5,333	6,484	21.6	2,579	2,942	14.1	2,754	3,542	28.6
SOCIAL SCIENCES	10,454	12,274	17.4	6,960	8,255	18.6	3,494	4,019	15.0
AGRICULTURAL ECONOMICS	4	3	-25.0	4	3	-25.0	0	0	**
ANTHROPOLOGY	285	372	30.5	118	164	39.0	167	208	24.6
ECONOMICS (EXCEPT AGRICULTURAL)	574	649	13.1	456	512	12.3	118	137	16.1
GEOGRAPHY	500	440	-12.0	363	310	-14.6	137	130	-5.1
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	**	0	0	**	0	0	**
LINGUISTICS	382	385	.8	212	192	-9.4	170	193	13.5
POLITICAL SCIENCE	5,048	7,018	39.0	3,708	5,093	37.4	1,340	1,925	43.7
SOCIOLOGY	874	943	7.9	468	471	.6	406	472	16.3
SOCIOLOGY/ANTHROPOLOGY	8	26	225.0	3	16	433.3	5	10	100.0
SOCIAL SCIENCES, NEC.	2,779	2,438	-12.3	1,628	1,494	-8.2	1,151	944	-18.0

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-17. PART-TIME GRADUATE STUDENTS IN PUBLICLY CONTROLLED MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND SEX: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			MEN			WOMEN		
	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE
TOTAL, ALL FIELDS	21,215	24,028	13.3	13,322	14,609	9.7	7,893	9,419	19.3
ENGINEERING	2,152	2,608	21.2	1,947	2,443	25.5	205	165	-19.5
AERONAUTICAL	13	6	-53.8	13	6	-53.8	0	0	**
AGRICULTURAL	0	0	**	0	0	**	0	0	**
BIOMEDICAL	0	0	**	0	0	**	0	0	**
CHEMICAL	50	63	26.0	39	60	53.8	11	3	-72.7
CIVIL	434	559	28.8	390	502	28.7	44	57	29.5
ELECTRICAL	363	555	52.9	349	533	52.7	14	22	57.1
ENGINEERING SCIENCE	0	7	**	0	6	**	0	1	**
INDUSTRIAL	166	177	6.6	153	166	8.5	13	11	-15.4
MECHANICAL	260	301	15.8	249	287	15.3	11	14	27.3
METALLURGICAL/MATERIALS	19	38	100.0	18	32	77.8	1	6	500.0
MINING	0	0	**	0	0	**	0	0	**
NUCLEAR	0	0	**	0	0	**	0	0	**
PETROLEUM	0	0	**	0	0	**	0	0	**
ENGINEERING, NEC.	847	902	6.5	736	851	15.6	111	51	-54.1
PHYSICAL SCIENCES	778	928	19.3	585	705	20.5	193	223	15.5
ASTRONOMY	0	0	**	0	0	**	0	0	**
CHEMISTRY	547	634	15.9	389	451	15.9	158	183	15.8
PHYSICS	186	193	3.8	164	172	4.9	22	21	-4.5
PHYSICAL SCIENCES, NEC.	45	101	124.4	32	82	156.3	13	19	46.2
ENVIRONMENTAL SCIENCES	646	675	4.5	484	520	7.4	162	155	-4.3
ATMOSPHERIC SCIENCES	0	6	**	0	6	**	0	0	**
GEOSCIENCES	270	306	13.3	215	251	16.7	55	55	.0
OCEANOGRAPHY	9	22	144.4	8	18	125.0	1	4	300.0
ENVIRONMENTAL SCIENCES, NEC.	367	341	-7.1	261	245	-6.1	106	96	-9.4
MATHEMATICAL SCIENCES	1,876	1,874	-.1	1,181	1,181	.0	695	693	-.3
COMPUTER SCIENCE	352	444	26.1	275	348	26.5	77	96	24.7
MATHEMATICS AND APPLIED MATHEMATICS	1,490	1,394	-6.4	881	806	-8.5	609	588	-3.4
STATISTICS	34	36	5.9	25	27	8.0	9	9	.0
LIFE SCIENCES	5,147	5,982	16.2	2,611	2,842	8.8	2,536	3,140	23.8
AGRICULTURAL SCIENCES	314	362	15.3	265	303	14.3	49	59	20.4
BIOLOGICAL SCIENCES	2,832	3,294	16.3	1,803	1,996	10.7	1,029	1,298	26.1
ANATOMY	0	0	**	0	0	**	0	0	**
BIOCHEMISTRY	29	33	13.8	22	24	9.1	7	9	28.6
BIOLOGY	2,568	2,884	12.3	1,671	1,833	9.7	897	1,051	17.2
BIOMETRY/EPIDEMIOLOGY	0	0	**	0	0	**	0	0	**
BIOPHYSICS	0	0	**	0	0	**	0	0	**
BOTANY	21	2	-90.5	15	1	-93.3	6	1	-83.3
CELL BIOLOGY	0	0	**	0	0	**	0	0	**
ECOLOGY	0	0	**	0	0	**	0	0	**
ENTOMOLOGY/PARASITOLOGY	0	0	**	0	0	**	0	0	**
GENETICS	0	0	**	0	0	**	0	0	**
MICROBIOLOGY	106	121	14.2	65	67	3.1	41	54	31.7
NUTRITION	56	111	98.2	2	8	300.0	54	103	90.7
PATHOLOGY	0	0	**	0	0	**	0	0	**
PHARMACOLOGY	0	0	**	0	0	**	0	0	**
PHYSIOLOGY	0	0	**	0	0	**	0	0	**
ZOOLOGY	6	3	-50.0	5	2	-60.0	1	1	.0
BIOSCIENCES, NEC.	46	140	204.3	23	61	165.2	23	79	243.5
HEALTH SCIENCES	2,001	2,326	16.2	543	543	.0	1,458	1,783	22.3
ANESTHESIOLOGY	0	0	**	0	0	**	0	0	**
CARDIOLOGY	0	0	**	0	0	**	0	0	**
CLINICAL PHARMACOLOGY	0	0	**	0	0	**	0	0	**
DENTISTRY	0	0	**	0	0	**	0	0	**
ENDOCRINOLOGY	0	0	**	0	0	**	0	0	**
GASTROENTEROLOGY	0	0	**	0	0	**	0	0	**
HEMATOLOGY	0	0	**	0	0	**	0	0	**
NEUROLOGY	0	0	**	0	0	**	0	0	**
NURSING	295	451	52.9	17	18	5.9	278	433	55.8
OBSTETRICS/GYNECOLOGY	0	0	**	0	0	**	0	0	**
OPHTHALMOLOGY	3	5	66.7	3	5	66.7	0	0	**
OTORHINOLARYNGOLOGY	0	0	**	0	0	**	0	0	**
PEDIATRICS	0	0	**	0	0	**	0	0	**
PHARMACEUTICAL SCIENCES	0	0	**	0	0	**	0	0	**
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	49	88	79.6	13	42	223.1	36	46	27.8
PSYCHIATRY	0	0	**	0	0	**	0	0	**
PULMONARY DISEASE	0	0	**	0	0	**	0	0	**
RADIOLOGY	0	0	**	0	0	**	0	0	**
SPEECH PATHOLOGY/AUDIOLOGY ..	688	736	7.0	79	68	-13.9	609	668	9.7
SURGERY	0	0	**	0	0	**	0	0	**
VETERINARY SCIENCES	0	0	**	0	0	**	0	0	**
CLINICAL MEDICINE, NEC.	43	71	65.1	13	25	92.3	30	46	53.3
HEALTH RELATED, NEC.	923	975	5.6	418	385	-7.9	505	590	16.8
PSYCHOLOGY	3,715	4,380	17.9	1,850	2,009	8.6	1,865	2,371	27.1
SOCIAL SCIENCES	6,901	7,581	9.9	4,664	4,909	5.3	2,237	2,672	19.4
AGRICULTURAL ECONOMICS	4	3	-25.0	4	3	-25.0	0	0	**
ANTHROPOLOGY	281	369	31.3	115	162	40.9	166	207	24.7
ECONOMICS (EXCEPT AGRICULTURAL)	439	511	16.4	356	400	12.4	83	111	33.7
GEOGRAPHY	498	429	-13.9	363	305	-16.0	135	124	-8.1
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	**	0	0	**	0	0	**
LINGUISTICS	276	228	-17.4	145	93	-35.9	131	135	3.1
POLITICAL SCIENCE	3,334	3,607	8.2	2,470	2,591	4.9	864	1,016	17.6
SOCIOLOGY	714	799	11.9	371	383	3.2	343	416	21.3
SOCIOLOGY/ANTHROPOLOGY	8	10	25.0	3	9	200.0	5	1	-80.0
SOCIAL SCIENCES, NEC.	1,347	1,625	20.6	837	963	15.1	510	662	29.8

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-18. PART-TIME GRADUATE STUDENTS IN PRIVATELY CONTROLLED MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND SEX: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			MEN			WOMEN		
	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE
TOTAL, ALL FIELDS	9,207	12,264	33.2	6,063	8,225	35.7	3,144	4,039	28.5
ENGINEERING	1,340	1,631	21.7	1,303	1,567	20.3	37	64	73.0
AERONAUTICAL	3	7	133.3	3	7	133.3	0	0	**
AGRICULTURAL	0	0	**	0	0	**	0	0	**
BIOMEDICAL	16	30	87.5	15	26	73.3	1	4	300.0
CHEMICAL	54	37	-31.5	50	36	-28.0	4	1	-75.0
CIVIL	96	84	-12.5	92	81	-12.0	4	3	-25.0
ELECTRICAL	370	431	16.5	363	425	17.1	7	6	-14.3
ENGINEERING SCIENCE	53	147	177.4	52	139	167.3	1	8	700.0
INDUSTRIAL	377	493	30.8	363	465	28.1	14	28	100.0
MECHANICAL	196	225	14.8	193	223	15.5	3	2	-33.3
METALLURGICAL/MATERIALS	17	21	23.5	17	19	11.8	0	2	**
MINING	0	0	**	0	0	**	0	0	**
NUCLEAR	12	14	16.7	11	12	9.1	1	2	100.0
PETROLEUM	0	0	**	0	0	**	0	0	**
ENGINEERING, NEC.	146	142	-2.7	144	134	-6.9	2	8	300.0
PHYSICAL SCIENCES	354	346	-2.3	274	271	-1.1	80	75	-6.3
ASTRONOMY	0	0	**	0	0	**	0	0	**
CHEMISTRY	289	256	-11.4	215	189	-12.1	74	67	-9.5
PHYSICS	53	76	43.4	47	68	44.7	6	8	33.3
PHYSICAL SCIENCES, NEC.	12	14	16.7	12	14	16.7	0	0	**
ENVIRONMENTAL SCIENCES	17	153	800.0	15	128	753.3	2	25	1150.0
ATMOSPHERIC SCIENCES	0	0	**	0	0	**	0	0	**
GEOSCIENCES	1	0	-100.0	1	0	-100.0	0	0	**
OCEANOGRAPHY	0	108	**	0	92	**	0	16	**
ENVIRONMENTAL SCIENCES, NEC.	16	45	181.3	14	36	157.1	2	9	350.0
MATHEMATICAL SCIENCES	925	1,178	27.4	736	908	23.4	189	270	42.9
COMPUTER SCIENCE	691	907	31.3	560	720	28.6	131	187	42.7
MATHEMATICS AND APPLIED MATHEMATICS	96	128	33.3	66	79	19.7	30	49	63.3
STATISTICS	138	143	3.6	110	109	-.9	28	34	21.4
LIFE SCIENCES	1,400	2,159	54.2	710	1,072	51.0	690	1,087	57.5
AGRICULTURAL SCIENCES	54	84	55.6	33	60	81.8	21	24	14.3
BIOLOGICAL SCIENCES	768	946	23.2	465	488	4.9	303	458	51.2
ANATOMY	0	0	**	0	0	**	0	0	**
BIOCHEMISTRY	83	67	-19.3	59	37	-37.3	24	30	25.0
BIOLOGY	518	625	20.7	298	316	6.0	220	309	40.5
BIOMETRY/EPIDEMIOLOGY	0	0	**	0	0	**	0	0	**
BIOPHYSICS	0	0	**	0	0	**	0	0	**
BOTANY	1	4	300.0	1	4	300.0	0	0	**
CELL BIOLOGY	0	0	**	0	0	**	0	0	**
ECOLOGY	0	0	**	0	0	**	0	0	**
ENTOMOLOGY/PARASITOLOGY	0	0	**	0	0	**	0	0	**
GENETICS	19	14	-26.3	0	0	**	19	14	-26.3
MICROBIOLOGY	50	66	32.0	27	33	22.2	23	33	43.5
NUTRITION	0	0	**	0	0	**	0	0	**
PATHOLOGY	0	0	**	0	0	**	0	0	**
PHARMACOLOGY	0	2	**	0	1	**	0	1	**
PHYSIOLOGY	53	52	-1.9	46	44	-4.3	7	8	14.3
ZOOLOGY	2	1	-50.0	0	1	**	2	0	-100.0
BIOSCIENCES, NEC.	42	115	173.8	34	52	52.9	8	63	687.5
HEALTH SCIENCES	578	1,129	95.3	212	524	147.2	366	605	65.3
ANESTHESIOLOGY	0	0	**	0	0	**	0	0	**
CARDIOLOGY	0	0	**	0	0	**	0	0	**
CLINICAL PHARMACOLOGY	0	0	**	0	0	**	0	0	**
DENTISTRY	0	0	**	0	0	**	0	0	**
ENDOCRINOLOGY	0	0	**	0	0	**	0	0	**
GASTROENTEROLOGY	0	0	**	0	0	**	0	0	**
HEMATOLOGY	0	0	**	0	0	**	0	0	**
NEUROLOGY	0	0	**	0	0	**	0	0	**
NURSING	142	174	22.5	0	8	**	142	166	16.9
OBSTETRICS/GYNECOLOGY	0	0	**	0	0	**	0	0	**
OPHTHALMOLOGY	2	0	-100.0	2	0	-100.0	0	0	**
OTORHINOLARYNGOLOGY	0	0	**	0	0	**	0	0	**
PEDIATRICS	0	0	**	0	0	**	0	0	**
PHARMACEUTICAL SCIENCES	0	102	**	0	78	**	0	24	**
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	0	0	**	0	0	**	0	0	**
PSYCHIATRY	0	0	**	0	0	**	0	0	**
PULMONARY DISEASE	0	0	**	0	0	**	0	0	**
RADIOLOGY	0	0	**	0	0	**	0	0	**
SPEECH PATHOLOGY/AUDIOLOGY ..	82	116	41.5	6	17	183.3	76	99	30.3
SURGERY	0	0	**	0	0	**	0	0	**
VETERINARY SCIENCES	7	5	-28.6	4	3	-25.0	3	2	-33.3
CLINICAL MEDICINE, NEC.	0	0	**	0	0	**	0	0	**
HEALTH RELATED, NEC.	345	732	112.2	200	418	109.0	145	314	116.6
PSYCHOLOGY	1,618	2,104	30.0	729	933	28.0	889	1,171	31.7
SOCIAL SCIENCES	3,553	4,693	32.1	2,296	3,346	45.7	1,257	1,347	7.2
AGRICULTURAL ECONOMICS	0	0	**	0	0	**	0	0	**
ANTHROPOLOGY	4	3	-25.0	3	2	-33.3	1	1	.0
ECONOMICS (EXCEPT AGRICULTURAL)	135	138	2.2	100	112	12.0	35	26	-25.7
GEOGRAPHY	2	11	450.0	0	5	**	2	6	200.0
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	**	0	0	**	0	0	**
LINGUISTICS	106	157	48.1	67	99	47.8	39	58	48.7
POLITICAL SCIENCE	1,714	3,411	99.0	1,238	2,502	102.1	476	909	91.0
SOCIOLOGY	160	144	-10.0	97	88	-9.3	63	56	-11.1
SOCIOLOGY/ANTHROPOLOGY	0	16	**	0	7	**	0	9	**
SOCIAL SCIENCES, NEC.	1,432	813	-43.2	791	531	-32.9	641	282	-56.0

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-19. GRADUATE STUDENTS IN ALL MASTER'S-GRANTING INSTITUTIONS, BY DIVISION, STATE, AND ENROLLMENT STATUS: 1975-77

DIVISION AND STATE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
UNITED STATES TOTAL........	46,087	48,596	56,268	5.4	15.8	17,624	18,174	19,976	3.1	9.9	28,463	30,422	36,292	6.9	19.3
NEW ENGLAND................	3,261	3,003	4,280	-7.9	42.5	1,153	1,069	1,311	-7.3	22.6	2,108	1,934	2,969	-8.3	53.5
CONNECTICUT................	1,505	1,404	2,168	-6.7	54.4	217	169	244	-22.1	44.4	1,288	1,235	1,924	-4.1	55.8
MAINE......................	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
MASSACHUSETTS..............	1,025	857	1,348	-16.4	57.3	377	324	449	-14.1	38.6	648	533	899	-17.7	68.7
NEW HAMPSHIRE..............	79	67	52	-15.2	-22.4	0	3	0	**	-100.0	79	64	52	-19.0	-18.8
RHODE ISLAND...............	65	79	78	21.5	-1.3	15	15	26	.0	73.3	50	64	52	28.0	-18.8
VERMONT....................	587	596	634	1.5	6.4	544	558	592	2.6	6.1	43	38	42	-11.6	10.5
MIDDLE ATLANTIC............	9,931	10,058	11,640	1.3	15.7	2,289	2,405	2,855	5.1	18.7	7,642	7,653	8,785	.1	14.8
NEW JERSEY.................	3,245	3,041	2,982	-6.3	-1.9	553	452	443	-18.3	-2.0	2,692	2,589	2,539	-3.8	-1.9
NEW YORK...................	5,072	4,875	6,423	-3.9	31.8	1,293	1,541	1,869	19.2	21.3	3,779	3,334	4,554	-11.8	36.6
PENNSYLVANIA...............	1,614	2,142	2,235	32.7	4.3	443	412	543	-7.0	31.8	1,171	1,730	1,692	47.7	-2.2
EAST NORTH CENTRAL.........	6,571	6,374	6,480	-3.0	1.7	2,667	2,260	2,327	-15.3	3.0	3,904	4,114	4,153	5.4	.9
ILLINOIS...................	3,705	3,640	3,406	-1.8	-6.4	1,449	1,066	1,156	-26.4	8.4	2,256	2,574	2,250	14.1	-12.6
INDIANA....................	473	403	628	-14.8	55.8	72	72	62	.0	-13.9	401	331	566	-17.5	71.0
MICHIGAN...................	968	911	943	-5.9	3.5	545	521	403	-4.4	-22.6	423	390	540	-7.8	38.5
OHIO.......................	857	833	848	-2.8	1.8	331	299	368	-9.7	23.1	526	534	480	1.5	-10.1
WISCONSIN..................	568	587	655	3.3	11.6	270	302	338	11.9	11.9	298	285	317	-4.4	11.2
WEST NORTH CENTRAL.........	1,601	1,748	1,809	9.2	3.5	998	1,119	1,058	12.1	-5.5	603	629	751	4.3	19.4
IOWA.......................	327	349	325	6.7	-6.9	233	252	147	8.2	-41.7	94	97	178	3.2	83.5
KANSAS.....................	531	554	580	4.3	4.7	311	316	380	1.6	20.3	220	238	200	8.2	-16.0
MINNESOTA..................	527	513	523	-2.7	1.9	305	329	297	7.9	-9.7	222	184	226	-17.1	22.8
MISSOURI...................	208	323	367	55.3	13.6	147	219	230	49.0	5.0	61	104	137	70.5	31.7
NEBRASKA...................	8	9	14	12.5	55.6	2	3	4	50.0	33.3	6	6	10	.0	66.7
NORTH DAKOTA...............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
SOUTH DAKOTA...............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
SOUTH ATLANTIC.............	5,704	6,050	5,924	6.1	-2.1	2,593	2,774	2,632	7.0	-5.1	3,111	3,276	3,292	5.3	.5
DELAWARE...................	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
DISTRICT OF COLUMBIA.......	96	104	99	8.3	-4.8	60	67	61	11.7	-9.0	36	37	38	2.8	2.7
FLORIDA....................	1,569	1,663	1,818	6.0	9.3	878	970	990	10.5	2.1	691	693	828	.3	19.5
GEORGIA....................	589	677	659	14.9	-2.7	398	447	458	12.3	2.5	191	230	201	20.4	-12.6
MARYLAND...................	1,419	1,406	1,185	-.9	-15.7	243	251	214	3.3	-14.7	1,176	1,155	971	-1.8	-15.9
NORTH CAROLINA.............	687	684	774	-.4	13.2	443	442	442	-.2	.0	244	242	332	-.8	37.2
SOUTH CAROLINA.............	136	131	112	-3.7	-14.5	59	55	46	-6.8	-16.4	77	76	66	-1.3	-13.2
VIRGINIA...................	684	890	844	30.1	-5.2	347	410	335	18.2	-18.3	337	480	509	42.4	6.0
WEST VIRGINIA..............	524	495	433	-5.5	-12.5	165	132	86	-20.0	-34.8	359	363	347	1.1	-4.4
EAST SOUTH CENTRAL.........	2,139	2,242	2,378	4.8	6.1	1,083	1,211	1,209	11.8	-.2	1,056	1,031	1,169	-2.4	13.4
ALABAMA....................	534	671	639	25.7	-4.8	310	408	330	31.6	-19.1	224	263	309	17.4	17.5
KENTUCKY...................	450	380	588	-15.6	54.7	264	232	386	-12.1	66.4	186	148	202	-20.4	36.5
MISSISSIPPI................	231	349	332	51.1	-4.9	140	215	175	53.6	-18.6	91	134	157	47.3	17.2
TENNESSEE..................	924	842	819	-8.9	-2.7	369	356	318	-3.5	-10.7	555	486	501	-12.4	3.1
WEST SOUTH CENTRAL.........	2,827	3,549	4,027	25.5	13.5	1,036	1,492	1,711	44.0	14.7	1,791	2,057	2,316	14.9	12.6
ARKANSAS...................	251	398	347	58.6	-12.8	91	140	156	53.8	11.4	160	258	191	61.2	-26.0
LOUISIANA..................	328	359	331	9.5	-7.8	156	197	177	26.3	-10.2	172	162	154	-5.8	-4.9
OKLAHOMA...................	53	56	63	5.7	12.5	28	32	60	14.3	87.5	25	24	3	-4.0	-87.5
TEXAS......................	2,195	2,736	3,286	24.6	20.1	761	1,123	1,318	47.6	17.4	1,434	1,613	1,968	12.5	22.0
MOUNTAIN...................	1,247	1,454	1,283	16.6	-11.8	947	1,023	741	8.0	-27.6	300	431	542	43.7	25.8
ARIZONA....................	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
COLORADO...................	937	1,132	789	20.8	-30.3	662	722	333	9.1	-53.9	275	410	456	49.1	11.2
IDAHO......................	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
MONTANA....................	18	25	21	38.9	-16.0	13	24	21	84.6	-12.5	5	1	0	-80.0	-100.0
NEVADA.....................	161	161	249	.0	54.7	161	161	249	.0	54.7	0	0	0	**	**
NEW MEXICO.................	131	136	224	3.8	64.7	111	116	138	4.5	19.0	20	20	86	.0	330.0
UTAH.......................	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
WYOMING....................	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
PACIFIC....................	12,793	14,096	18,339	10.2	30.1	4,858	4,812	6,073	-.9	26.2	7,935	9,284	12,266	17.0	32.1
ALASKA.....................	47	79	206	68.1	160.8	0	4	38	**	850.0	47	75	168	59.6	124.0
CALIFORNIA.................	11,829	12,999	17,199	9.9	32.3	4,495	4,402	5,535	-2.1	25.7	7,334	8,597	11,664	17.2	35.7
HAWAII.....................	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
OREGON.....................	128	149	141	16.4	-5.4	66	80	57	21.2	-28.7	62	69	84	11.3	21.7
WASHINGTON.................	789	869	793	10.1	-8.7	297	326	443	9.8	35.9	492	543	350	10.4	-35.5
U.S. TERRITORIES...........	13	22	108	69.2	390.9	0	9	59	**	555.6	13	13	49	.0	276.9

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-20. GRADUATE STUDENTS IN ALL MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS: 1975-77

FIELD OF SCIENCE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	46,087	48,596	56,268	5.4	15.8	17,624	18,174	19,976	3.1	9.9	28,463	30,422	36,292	6.9	19.3
ENGINEERING	4,320	4,460	5,193	3.2	16.4	960	968	954	.8	-1.4	3,360	3,492	4,239	3.9	21.4
AERONAUTICAL	34	28	22	-17.6	-21.4	20	12	9	-40.0	-25.0	14	16	13	14.3	-18.8
AGRICULTURAL	10	3	8	-70.0	166.7	9	3	8	-66.7	166.7	1	0	0	-100.0	**
BIOMEDICAL	22	18	30	-18.2	66.7	1	2	0	100.0	-100.0	21	16	30	-23.8	87.5
CHEMICAL	123	140	138	13.8	-1.4	35	36	38	2.9	5.6	88	104	100	18.2	-3.8
CIVIL	665	701	796	5.4	13.6	169	171	153	1.2	-10.5	496	530	643	6.9	21.3
ELECTRICAL	866	892	1,201	3.0	34.6	157	159	215	1.3	35.2	709	733	986	3.4	34.5
ENGINEERING SCIENCE	88	64	185	-27.3	189.1	5	11	31	120.0	181.8	83	53	154	-36.1	190.6
INDUSTRIAL	712	654	811	-8.1	24.0	125	111	141	-11.2	27.0	587	543	670	-7.5	23.4
MECHANICAL	549	515	616	-6.2	19.6	80	59	90	-26.2	52.5	469	456	526	-2.8	15.4
METALLURGICAL/MATERIALS	40	43	65	7.5	51.2	7	7	6	.0	-14.3	33	36	59	9.1	63.9
MINING	9	11	11	22.2	.0	5	11	11	120.0	.0	4	0	0	-100.0	**
NUCLEAR	25	12	19	-52.0	58.3	6	0	5	-100.0	**	19	12	14	-36.8	16.7
PETROLEUM	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENGINEERING, NEC.	1,177	1,379	1,291	17.2	-6.4	341	386	247	13.2	-36.0	836	993	1,044	18.8	5.1
PHYSICAL SCIENCES	1,793	1,810	2,083	.9	15.1	667	678	809	1.6	19.3	1,126	1,132	1,274	.5	12.5
ASTRONOMY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
CHEMISTRY	1,286	1,289	1,482	.2	15.0	444	453	592	2.0	30.7	842	836	890	-.7	6.5
PHYSICS	433	437	439	.9	.5	197	198	170	.5	-14.1	236	239	269	1.3	12.6
PHYSICAL SCIENCES, NEC.	74	84	162	13.5	92.9	26	27	47	3.8	74.1	48	57	115	18.8	101.8
ENVIRONMENTAL SCIENCES	1,031	993	1,219	-3.7	22.8	472	330	391	-30.1	18.5	559	663	828	18.6	24.9
ATMOSPHERIC SCIENCES	0	0	10	**	**	0	0	4	**	**	0	0	6	**	**
GEOSCIENCES	409	459	494	12.2	7.6	171	188	188	9.9	.0	238	271	306	13.9	12.9
OCEANOGRAPHY	42	53	177	26.2	234.0	37	44	47	18.9	6.8	5	9	130	80.0	1344.4
ENVIRONMENTAL SCIENCES, NEC.	580	481	538	-17.1	11.9	264	98	152	-62.9	55.1	316	383	386	21.2	.8
MATHEMATICAL SCIENCES	4,019	3,967	4,011	-1.3	1.1	1,096	1,166	959	6.4	-17.8	2,923	2,801	3,052	-4.2	9.0
COMPUTER SCIENCE	1,324	1,473	1,731	11.3	17.5	364	430	380	18.1	-11.6	960	1,043	1,351	8.6	29.5
MATHEMATICS AND APPLIED MATHEMATICS	2,507	2,299	2,085	-8.3	-9.3	698	713	563	2.1	-21.0	1,809	1,586	1,522	-12.3	-4.0
STATISTICS	188	195	195	3.7	.0	34	23	16	-32.4	-30.4	154	172	179	11.7	4.1
LIFE SCIENCES	10,103	11,331	13,046	12.2	15.1	4,265	4,784	4,905	12.2	2.5	5,838	6,547	8,141	12.1	24.3
AGRICULTURAL SCIENCES	870	943	936	8.4	-.7	530	575	490	8.5	-14.8	340	368	446	8.2	21.2
BIOLOGICAL SCIENCES	5,616	6,195	6,716	10.3	8.4	2,175	2,595	2,476	19.3	-4.6	3,441	3,600	4,240	4.6	17.8
ANATOMY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
BIOCHEMISTRY	144	158	133	9.7	-15.8	33	46	33	39.4	-28.3	111	112	100	.9	-10.7
BIOLOGY	4,759	5,264	5,550	10.6	5.4	1,844	2,178	2,041	18.1	-6.3	2,915	3,086	3,509	5.9	13.7
BIOMETRY/EPIDEMIOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
BIOPHYSICS	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
BOTANY	60	77	26	28.3	-66.2	38	55	20	44.7	-63.6	22	22	6	.0	-72.7
CELL BIOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ECOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENTOMOLOGY/PARASITOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
GENETICS	53	51	52	-3.8	2.0	24	32	38	33.3	18.8	29	19	14	-34.5	-26.3
MICROBIOLOGY	234	268	330	14.5	23.1	59	112	143	89.8	27.7	175	156	187	-10.9	19.9
NUTRITION	98	100	200	2.0	100.0	60	44	89	-26.7	102.3	38	56	111	47.4	98.2
PATHOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
PHARMACOLOGY	0	0	13	**	**	0	0	11	**	**	0	0	2	**	**
PHYSIOLOGY	65	58	67	-10.8	15.5	14	5	15	-64.3	200.0	51	53	52	3.9	-1.9
ZOOLOGY	50	59	46	18.0	-22.0	41	51	42	24.4	-17.6	9	8	4	-11.1	-50.0
BIOSCIENCES, NEC.	153	160	299	4.6	86.9	62	72	44	16.1	-38.9	91	88	255	-3.3	189.8
HEALTH SCIENCES	3,617	4,193	5,394	15.9	28.6	1,560	1,614	1,939	3.5	20.1	2,057	2,579	3,455	25.4	34.0
ANESTHESIOLOGY	0	0	1	**	**	0	0	1	**	**	0	0	0	**	**
CARDIOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
CLINICAL PHARMACOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
DENTISTRY	24	21	26	-12.5	23.8	24	21	26	-12.5	23.8	0	0	0	**	**
ENDOCRINOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
GASTROENTEROLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
HEMATOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
NEUROLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
NURSING	538	633	970	17.7	53.2	190	196	345	3.2	76.0	348	437	625	25.6	43.0
OBSTETRICS/GYNECOLOGY	1	3	2	200.0	-33.3	1	3	2	200.0	-33.3	0	0	0	**	**
OPHTHALMOLOGY	10	10	9	.0	-10.0	4	5	4	25.0	-20.0	6	5	5	-16.7	.0
OTORHINOLARYNGOLOGY	2	2	2	.0	.0	2	2	2	.0	.0	0	0	0	**	**
PEDIATRICS	1	2	3	100.0	50.0	1	2	3	100.0	50.0	0	0	0	**	**
PHARMACEUTICAL SCIENCES	0	0	122	**	**	0	0	20	**	**	0	0	102	**	**
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	96	105	132	9.4	25.7	50	56	44	12.0	-21.4	46	49	88	6.5	79.6
PSYCHIATRY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
PULMONARY DISEASE	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RADIOLOGY	1	1	1	.0	.0	1	1	1	.0	.0	0	0	0	**	**
SPEECH PATH/AUDIOLOGY	1,160	1,375	1,616	18.5	17.5	548	605	764	10.4	26.3	612	770	852	25.8	10.6
SURGERY	3	6	7	100.0	16.7	3	6	7	100.0	16.7	0	0	0	**	**
VETERINARY SCIENCES	22	28	21	27.3	-25.0	12	21	16	75.0	-23.8	10	7	5	-30.0	-28.6
CLINICAL MEDICINE, NEC.	5	53	109	960.0	105.7	5	10	38	100.0	280.0	0	43	71	**	65.1
HEALTH RELATED, NEC.	1,754	1,954	2,373	11.4	21.4	719	686	666	-4.6	-2.9	1,035	1,268	1,707	22.5	34.6
PSYCHOLOGY	9,636	9,671	11,237	.4	16.2	4,600	4,338	4,753	-5.7	9.6	5,036	5,333	6,484	5.9	21.6
SOCIAL SCIENCES	15,185	16,364	19,479	7.8	19.0	5,564	5,910	7,205	6.2	21.9	9,621	10,454	12,274	8.7	17.4
AGRICULTURAL ECONOMICS	15	17	21	13.3	23.5	12	13	18	8.3	38.5	3	4	3	33.3	-25.0
ANTHROPOLOGY	436	451	540	3.4	19.7	173	166	168	-4.0	1.2	263	285	372	8.4	30.5
ECONOMICS (EXCEPT AGRICULTURAL)	1,100	981	1,011	-10.8	3.1	388	407	362	4.9	-11.1	712	574	649	-19.4	13.1
GEOGRAPHY	681	754	654	10.7	-13.3	248	254	214	2.4	-15.7	433	500	440	15.5	-12.0
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
LINGUISTICS	506	524	499	3.6	-4.8	136	142	114	4.4	-19.7	370	382	385	3.2	.8
POLITICAL SCIENCE	6,372	7,002	9,423	9.9	34.6	1,838	1,954	2,405	6.3	23.1	4,534	5,048	7,018	11.3	39.0
SOCIOLOGY	1,787	1,776	1,712	-.6	-3.6	806	902	769	11.9	-14.7	981	874	943	-10.9	7.9
SOCIOLOGY/ANTHROPOLOGY	43	26	46	-39.5	76.9	25	18	20	-28.0	11.1	18	8	26	-55.6	225.0
SOCIAL SCIENCES, NEC.	4,245	4,833	5,573	13.9	15.3	1,938	2,054	3,135	6.0	52.6	2,307	2,779	2,438	20.5	-12.3

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-21. GRADUATE STUDENTS IN PUBLICLY CONTROLLED MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS: 1975-77

FIELD OF SCIENCE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	31,958	33,915	37,548	6.1	10.7	12,191	12,700	13,520	4.2	6.5	19,767	21,215	24,028	7.3	13.3
ENGINEERING	2,556	2,898	3,240	13.4	11.8	660	746	632	13.0	-15.3	1,896	2,152	2,608	13.5	21.2
AERONAUTICAL	24	19	8	-20.8	-57.9	15	6	2	-60.0	-66.7	9	13	6	44.4	-53.8
AGRICULTURAL	10	3	8	-70.0	166.7	9	3	8	-66.7	166.7	1	0	0	-100.0	**
BIOMEDICAL	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
CHEMICAL	58	61	81	5.2	32.8	12	11	18	-8.3	63.6	46	50	63	8.7	26.0
CIVIL	546	573	678	4.9	18.3	127	139	119	9.4	-14.4	419	434	559	3.6	28.8
ELECTRICAL	424	471	663	11.1	40.8	102	108	108	5.9	.0	322	363	555	12.7	52.9
ENGINEERING SCIENCE	3	2	30	-33.3	1400.0	3	2	23	-33.3	1050.0	0	0	7	**	**
INDUSTRIAL	232	218	244	-6.0	11.9	65	52	67	-20.0	28.8	167	166	177	-.6	6.6
MECHANICAL	272	289	348	6.3	20.4	29	29	47	.0	62.1	243	260	301	7.0	15.8
METALLURGICAL/MATERIALS	19	26	44	36.8	69.2	7	7	6	.0	-14.3	12	19	38	58.3	100.0
MINING	9	11	11	22.2	.0	5	11	11	120.0	.0	4	0	0	-100.0	**
NUCLEAR	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
PETROLEUM	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENGINEERING, NEC.	959	1,225	1,125	27.7	-8.2	286	378	223	32.2	-41.0	673	847	902	25.9	6.5
PHYSICAL SCIENCES	1,299	1,346	1,578	3.6	17.2	540	568	650	5.2	14.4	759	778	928	2.5	19.3
ASTRONOMY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
CHEMISTRY	893	922	1,106	3.2	20.0	349	375	472	7.4	25.9	544	547	634	.6	15.9
PHYSICS	345	352	329	2.0	-6.5	166	166	136	.0	-18.1	179	186	193	3.9	3.8
PHYSICAL SCIENCES, NEC.	61	72	143	18.0	98.6	25	27	42	8.0	55.6	36	45	101	25.0	124.4
ENVIRONMENTAL SCIENCES	987	950	1,016	-3.7	6.9	447	304	341	-32.0	12.2	540	646	675	19.6	4.5
ATMOSPHERIC SCIENCES ...	0	0	10	**	**	0	0	4	**	**	0	0	6	**	**
GEOSCIENCES	405	456	494	12.6	8.3	168	186	188	10.7	1.1	237	270	306	13.9	13.3
OCEANOGRAPHY	42	53	56	26.2	5.7	37	44	34	18.9	-22.7	5	9	22	80.0	144.4
ENVIRONMENTAL SCIENCES, NEC.	540	441	456	-18.3	3.4	242	74	115	-69.4	55.4	298	367	341	23.2	-7.1
MATHEMATICAL SCIENCES	2,816	2,707	2,567	-3.9	-5.2	814	831	693	2.1	-16.6	2,002	1,876	1,874	-6.3	-.1
COMPUTER SCIENCE	404	509	624	26.0	22.6	139	157	180	12.9	14.6	265	352	444	32.8	26.1
MATHEMATICS AND APPLIED MATHEMATICS ..	2,331	2,143	1,893	-8.1	-11.7	641	653	499	1.9	-23.6	1,690	1,490	1,394	-11.8	-6.4
STATISTICS	81	55	50	-32.1	-9.1	34	21	14	-38.2	-33.3	47	34	36	-27.7	5.9
LIFE SCIENCES	7,797	8,955	9,758	14.9	9.0	3,366	3,808	3,776	13.1	-.8	4,431	5,147	5,982	16.2	16.2
AGRICULTURAL SCIENCES	762	833	790	9.3	-5.2	467	519	428	11.1	-17.5	295	314	362	6.4	15.3
BIOLOGICAL SCIENCES	4,469	5,046	5,398	12.9	7.0	1,846	2,214	2,104	19.9	-5.0	2,623	2,832	3,294	8.0	16.3
ANATOMY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
BIOCHEMISTRY	52	53	52	1.9	-1.9	17	24	19	41.2	-20.8	35	29	33	-17.1	13.8
BIOLOGY	3,958	4,471	4,704	13.0	5.2	1,586	1,903	1,820	20.0	-4.4	2,372	2,568	2,884	8.3	12.3
BIOMETRY/EPIDEMIOLOGY ..	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
BIOPHYSICS	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
BOTANY	58	75	21	29.3	-72.0	37	54	19	45.9	-64.8	21	21	2	.0	-90.5
CELL BIOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ECOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENTOMOLOGY/PARASITOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
GENETICS	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
MICROBIOLOGY	168	179	191	6.5	6.7	51	73	70	43.1	-4.1	117	106	121	-9.4	14.2
NUTRITION	98	100	200	2.0	100.0	60	44	89	-26.7	102.3	38	56	111	47.4	98.2
PATHOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
PHARMACOLOGY	0	0	10	**	**	0	0	10	**	**	0	0	0	**	**
PHYSIOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ZOOLOGY	42	51	39	21.4	-23.5	34	45	36	32.4	-20.0	8	6	3	-25.0	-50.0
BIOSCIENCES, NEC.	93	117	181	25.8	54.7	61	71	41	16.4	-42.3	32	46	140	43.8	204.3
HEALTH SCIENCES	2,566	3,076	3,570	19.9	16.1	1,053	1,075	1,244	2.1	15.7	1,513	2,001	2,326	32.3	16.2
ANESTHESIOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
CARDIOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
CLINICAL PHARMACOLOGY ..	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
DENTISTRY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENDOCRINOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
GASTROENTEROLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
HEMATOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
NEUROLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
NURSING	316	363	616	14.9	69.7	80	68	165	-15.0	142.6	236	295	451	25.0	52.9
OBSTETRICS/GYNECOLOGY ..	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
OPHTHALMOLOGY	4	3	6	-25.0	100.0	1	0	1	-100.0	**	3	3	5	.0	66.7
OTORHINOLARYNGOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
PEDIATRICS	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
PHARMACEUTICAL SCIENCES	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	96	105	132	9.4	25.7	50	56	44	12.0	-21.4	46	49	88	6.5	79.6
PSYCHIATRY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
PULMONARY DISEASE	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RADIOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
SPEECH PATH/AUDIOLOGY ..	939	1,130	1,316	20.3	16.5	407	442	580	8.6	31.2	532	688	736	29.3	7.0
SURGERY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
VETERINARY SCIENCES	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
CLINICAL MEDICINE, NEC.	0	47	102	**	117.0	0	4	31	**	675.0	0	43	71	**	65.1
HEALTH RELATED, NEC. ...	1,211	1,428	1,398	17.9	-2.1	515	505	423	-1.9	-16.2	696	923	975	32.6	5.6
PSYCHOLOGY	6,745	6,685	7,688	-.9	15.0	3,196	2,970	3,308	-7.1	11.4	3,549	3,715	4,380	4.7	17.9
SOCIAL SCIENCES	9,758	10,374	11,701	6.3	12.8	3,168	3,473	4,120	9.6	18.6	6,590	6,901	7,581	4.7	9.9
AGRICULTURAL ECONOMICS .	15	17	21	13.3	23.5	12	13	18	8.3	38.5	3	4	3	33.3	-25.0
ANTHROPOLOGY	431	446	535	3.5	20.0	171	165	166	-3.5	.6	260	281	369	8.1	31.3
ECONOMICS (EXCEPT AGRICULTURAL)	840	757	814	-9.9	7.5	302	318	303	5.3	-4.7	538	439	511	-18.4	16.4
GEOGRAPHY	678	752	643	10.9	-14.5	248	254	214	2.4	-15.7	430	498	429	15.8	-13.9
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
LINGUISTICS	402	412	327	2.5	-20.6	131	136	99	3.8	-27.2	271	276	228	1.8	-17.4
POLITICAL SCIENCE	3,885	4,679	5,126	20.4	9.6	1,129	1,345	1,519	19.1	12.9	2,756	3,334	3,607	21.0	8.2
SOCIOLOGY	1,407	1,384	1,397	-1.6	.9	591	670	598	13.4	-10.7	816	714	799	-12.5	11.9
SOCIOLOGY/ANTHROPOLOGY .	29	11	15	-62.1	36.4	11	3	5	-72.7	66.7	16	8	10	-55.6	25.0
SOCIAL SCIENCES, NEC. ..	2,071	1,916	2,823	-7.5	47.3	573	569	1,198	-.7	110.5	1,498	1,347	1,625	-10.1	20.6

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-22. GRADUATE STUDENTS IN PRIVATELY CONTROLLED MASTER'S-GRANTING INSTITUTIONS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS: 1975-77

FIELD OF SCIENCE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	14,129	14,681	18,720	3.9	27.5	5,433	5,474	6,456	0.8	17.9	8,696	9,207	12,264	5.9	33.2
ENGINEERING	1,764	1,562	1,953	-11.5	25.0	300	222	322	-26.0	45.0	1,464	1,340	1,631	-8.5	21.7
AERONAUTICAL	10	9	14	-10.0	55.6	5	6	7	20.0	16.7	5	3	7	-40.0	133.3
AGRICULTURAL	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
BIOMEDICAL	22	18	30	-18.2	66.7	1	2	0	100.0	-100.0	21	16	30	-23.8	87.5
CHEMICAL	65	79	57	21.5	-27.8	23	25	20	8.7	-20.0	42	54	37	28.6	-31.5
CIVIL	119	128	118	7.6	-7.8	42	32	34	-23.8	6.3	77	96	84	24.7	-12.5
ELECTRICAL	442	421	538	-4.8	27.8	55	51	107	-7.3	109.8	387	370	431	-4.4	16.5
ENGINEERING SCIENCE	85	62	155	-27.1	150.0	2	9	8	350.0	-11.1	83	53	147	-36.1	177.4
INDUSTRIAL	480	436	567	-9.2	30.0	60	59	74	-1.7	25.4	420	377	493	-10.2	30.8
MECHANICAL	277	226	268	-18.4	18.6	51	30	43	-41.2	43.3	226	196	225	-13.3	14.8
METALLURGICAL/MATERIALS	21	17	21	-19.0	23.5	0	0	0	**	**	21	17	21	-19.0	23.5
MINING	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
NUCLEAR	25	12	19	-52.0	58.3	6	0	5	-100.0	**	19	12	14	-36.8	16.7
PETROLEUM	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENGINEERING, NEC.	218	154	166	-29.4	7.8	55	8	24	-85.5	200.0	163	146	142	-10.4	-2.7
PHYSICAL SCIENCES	494	464	505	-6.1	8.8	127	110	159	-13.4	44.5	367	354	346	-3.5	-2.3
ASTRONOMY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
CHEMISTRY	393	367	376	-6.6	2.5	95	78	120	-17.9	53.8	298	289	256	-3.0	-11.4
PHYSICS	88	85	110	-3.4	29.4	31	32	34	3.2	6.3	57	53	76	-7.0	43.4
PHYSICAL SCIENCES, NEC.	13	12	19	-7.7	58.3	1	0	5	-100.0	**	12	12	14	.0	16.7
ENVIRONMENTAL SCIENCES	44	43	203	-2.3	372.1	25	26	50	4.0	92.3	19	17	153	-10.5	800.0
ATMOSPHERIC SCIENCES	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
GEOSCIENCES	4	3	0	-25.0	-100.0	3	2	0	-33.3	-100.0	1	1	0	.0	-100.0
OCEANOGRAPHY	0	0	121	**	**	0	0	13	**	**	0	0	108	**	**
ENVIRONMENTAL SCIENCES, NEC.	40	40	82	.0	105.0	22	24	37	9.1	54.2	18	16	45	-11.1	181.3
MATHEMATICAL SCIENCES	1,203	1,260	1,444	4.7	14.6	282	335	266	18.8	-20.6	921	925	1,178	.4	27.4
COMPUTER SCIENCE	920	964	1,107	4.8	14.8	225	273	200	21.3	-26.7	695	691	907	-.6	31.3
MATHEMATICS AND APPLIED MATHEMATICS	176	156	192	-11.4	23.1	57	60	64	5.3	6.7	119	96	128	-19.3	33.3
STATISTICS	107	140	145	30.8	3.6	0	2	2	**	.0	107	138	143	29.0	3.6
LIFE SCIENCES	2,306	2,376	3,288	3.0	38.4	899	976	1,129	8.6	15.7	1,407	1,400	2,159	-.5	54.2
AGRICULTURAL SCIENCES	108	110	146	1.9	32.7	63	56	62	-11.1	10.7	45	54	84	20.0	55.6
BIOLOGICAL SCIENCES	1,147	1,149	1,318	.2	14.7	329	381	372	15.8	-2.4	818	768	946	-6.1	23.2
ANATOMY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
BIOCHEMISTRY	92	105	81	14.1	-22.9	16	22	14	37.5	-36.4	76	83	67	9.2	-19.3
BIOLOGY	801	793	846	-1.0	6.7	258	275	221	6.6	-19.6	543	518	625	-4.6	20.7
BIOMETRY/EPIDEMIOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
BIOPHYSICS	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
BOTANY	2	2	5	.0	150.0	1	1	1	.0	.0	1	1	4	.0	300.0
CELL BIOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ECOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENTOMOLOGY/PARASITOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
GENETICS	53	51	52	-3.8	2.0	24	32	38	33.3	18.8	29	19	14	-34.5	-26.3
MICROBIOLOGY	66	89	139	34.8	56.2	8	39	73	387.5	87.2	58	50	66	-13.8	32.0
NUTRITION	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
PATHOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
PHARMACOLOGY	0	0	3	**	**	0	0	1	**	**	0	0	2	**	**
PHYSIOLOGY	65	58	67	-10.8	15.5	14	5	15	-64.3	200.0	51	53	52	3.9	-1.9
ZOOLOGY	8	8	7	.0	-12.5	7	6	6	-14.3	.0	1	2	1	100.0	-50.0
BIOSCIENCES, NEC.	60	43	118	-28.3	174.4	1	1	3	.0	200.0	59	42	115	-28.8	173.8
HEALTH SCIENCES	1,051	1,117	1,824	6.3	63.3	507	539	695	6.3	28.9	544	578	1,129	6.3	95.3
ANESTHESIOLOGY	0	0	1	**	**	0	0	1	**	**	0	0	0	**	**
CARDIOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
CLINICAL PHARMACOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
DENTISTRY	24	21	26	-12.5	23.8	24	21	26	-12.5	23.8	0	0	0	**	**
ENDOCRINOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
GASTROENTEROLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
HEMATOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
NEUROLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
NURSING	222	270	354	21.6	31.1	110	128	180	16.4	40.6	112	142	174	26.8	22.5
OBSTETRICS/GYNECOLOGY	1	3	2	200.0	-33.3	1	3	2	200.0	-33.3	0	0	0	**	**
OPHTHALMOLOGY	6	7	3	16.7	-57.1	3	5	3	66.7	-40.0	3	2	0	-33.3	-100.0
OTORHINOLARYNGOLOGY	2	2	2	.0	.0	2	2	2	.0	.0	0	0	0	**	**
PEDIATRICS	1	2	3	100.0	50.0	1	2	3	100.0	50.0	0	0	0	**	**
PHARMACEUTICAL SCIENCES	0	0	122	**	**	0	0	20	**	**	0	0	102	**	**
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
PSYCHIATRY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
PULMONARY DISEASE	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RADIOLOGY	1	1	1	.0	.0	1	1	1	.0	.0	0	0	0	**	**
SPEECH PATH/AUDIOLOGY	221	245	300	10.9	22.4	141	163	184	15.6	12.9	80	82	116	2.5	41.5
SURGERY	3	6	7	100.0	16.7	3	6	7	100.0	16.7	0	0	0	**	**
VETERINARY SCIENCES	22	28	21	27.3	-25.0	12	21	16	75.0	-23.8	10	7	5	-30.0	-28.6
CLINICAL MEDICINE, NEC.	5	6	7	20.0	16.7	5	6	7	20.0	16.7	0	0	0	**	**
HEALTH RELATED, NEC.	543	526	975	-3.1	85.4	204	181	243	-11.3	34.3	339	345	732	1.8	112.2
PSYCHOLOGY	2,891	2,986	3,549	3.3	18.9	1,404	1,368	1,445	-2.6	5.6	1,487	1,618	2,104	8.8	30.0
SOCIAL SCIENCES	5,427	5,990	7,778	10.4	29.8	2,396	2,437	3,085	1.7	26.6	3,031	3,553	4,693	17.2	32.1
AGRICULTURAL ECONOMICS	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ANTHROPOLOGY	5	5	5	.0	.0	2	1	2	-50.0	100.0	3	4	3	33.3	-25.0
ECONOMICS (EXCEPT AGRICULTURAL)	260	224	197	-13.8	-12.1	86	89	59	3.5	-33.7	174	135	138	-22.4	2.2
GEOGRAPHY	3	2	11	-33.3	450.0	0	0	0	**	**	3	2	11	-33.3	450.0
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
LINGUISTICS	104	112	172	7.7	53.6	5	6	15	20.0	150.0	99	106	157	7.1	48.1
POLITICAL SCIENCE	2,487	2,323	4,297	-6.6	85.0	709	609	886	-14.1	45.5	1,778	1,714	3,411	-3.6	99.0
SOCIOLOGY	380	392	315	3.2	-19.6	215	232	171	7.9	-26.3	165	160	144	-3.0	-10.0
SOCIOLOGY/ANTHROPOLOGY	14	15	31	7.1	106.7	14	15	15	7.1	.0	0	0	16	**	**
SOCIAL SCIENCES, NEC.	2,174	2,917	2,750	34.2	-5.7	1,365	1,485	1,937	8.8	30.4	809	1,432	813	77.0	-43.2

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-23. MASTER'S-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1977

INSTITUTION	TOTAL	FULL TIME	PART TIME
TOTAL, ALL INSTITUTIONS	56,268	19,976	36,292
1 CALIF STATE UNIV AT LONG BEACH	2,070	362	1,708
2 CALIF STATE UNIV AT LOS ANGELES	1,560	227	1,333
3 GOLDEN GATE UNIVERSITY	1,488	108	1,380
4 CALIF STATE UNIVERSITY AT SACRAMENTO	1,390	479	911
5 SAN FRANCISCO STATE UNIVERSITY	1,287	664	623
6 SAN JOSE STATE UNIVERSITY	1,149	188	961
7 CALIF STATE UNIVERSITY AT NORTHRIDGE	1,065	311	754
8 CALIF STATE UNIV AT FULLERTON	1,044	139	905
9 FAIRLEIGH DICKINSON U TEANECK CAMPUS	1,044	226	818
10 CUNY HUNTER COLLEGE	985	528	457
TOTAL, 1ST 10 INSTITUTIONS	13,082	3,232	9,850
11 C. W. POST CENTER OF LONG ISLAND UNIV	903	107	796
12 UNIVERSITY OF HOUSTON AT CLEAR LAKE CITY	805	241	564
13 CUNY JOHN JAY COLLEGE OF CRIM JUSTICE	776	85	691
14 MONTCLAIR STATE COLLEGE	756	59	697
15 ROOSEVELT UNIVERSITY	720	181	539
16 SANGAMON STATE UNIVERSITY	644	147	497
17 UNIVERSITY OF COLORADO AT DENVER	619	211	408
18 CALIF STATE UNIVERSITY AT FRESNO	613	153	460
19 HARTFORD GRADUATE CENTER	611	21	590
20 CALIF STATE UNIV AT DOMINGUEZ HILLS	585	127	458
TOTAL, 1ST 20 INSTITUTIONS	20,114	4,564	15,550
21 GODDARD COLLEGE	579	579	0
22 AZUSA PACIFIC COLLEGE	568	507	61
23 TOWSON STATE UNIVERSITY	529	105	424
24 CALIF STATE UNIV AT FULLERTON	496	83	413
25 CUNY BERNARD BARUCH COLLEGE	446	85	361
26 ROCHESTER INSTITUTE OF TECHNOLOGY	444	25	419
27 GEORGE WILLIAMS COLLEGE	434	211	223
28 SOUTHERN ILLINOIS UNIV AT EDWARDSVILLE	424	168	256
29 CALIF STATE UNIVERSITY AT CHICO	401	401	0
30 WRIGHT STATE UNIVERSITY	400	167	233
TOTAL, 1ST 30 INSTITUTIONS	24,835	6,895	17,940
31 UNIVERSITY OF HARTFORD	396	96	300
32 TRINITY UNIVERSITY	389	236	153
33 MARYWOOD COLLEGE	382	146	236
34 EASTERN MICHIGAN UNIVERSITY	380	135	245
35 PEPPERDINE UNIVERSITY	379	282	97
36 CALIF STATE POLYTECHNIC UNIV AT POMONA	371	107	264
37 EAST CAROLINA UNIVERSITY	371	192	179
38 UNIVERSITY OF NEW HAVEN	357	38	319
39 GEORGE MASON UNIVERSITY	349	100	249
40 SOUTHWEST TEXAS STATE UNIVERSITY	349	252	97
TOTAL, 1ST 40 INSTITUTIONS	28,558	8,479	20,079
41 CENTRAL MICHIGAN UNIVERSITY	334	194	140
42 CUNY CITY COLLEGE	328	156	172
43 BISCAYNE COLLEGE	312	268	44
44 UNIVERSITY OF BRIDGEPORT	310	45	265
45 CHAPMAN COLLEGE	304	108	196
46 ROLLINS COLLEGE	300	150	150
47 GOVERNORS STATE UNIVERSITY	294	101	193
48 JOHN F KENNEDY UNIVERSITY	290	116	174
49 FLORIDA TECHNOLOGICAL UNIVERSITY	285	83	202
50 MANKATO STATE UNIVERSITY	283	146	137
TOTAL, 1ST 50 INSTITUTIONS	31,598	9,846	21,752
51 RIDER COLLEGE	280	18	262
52 LOYOLA COLLEGE	274	66	208
53 FAIRLEIGH DICKINSON U RUTHERFORD CAMPUS	269	25	244
54 MARSHALL UNIVERSITY	267	78	189
55 NORTHEASTERN ILLINOIS UNIVERSITY	265	15	250
56 SUFFOLK UNIVERSITY	265	47	218
57 BARRY COLLEGE	260	171	89
58 FLORIDA ATLANTIC UNIVERSITY	257	98	159
59 MIDDLE TENNESSEE STATE UNIVERSITY	257	30	227
60 EMPORIA STATE UNIVERSITY - KANSAS	252	178	74
TOTAL, 1ST 60 INSTITUTIONS	34,244	10,572	23,672
61 UNIVERSITY OF TEXAS AT SAN ANTONIO	251	68	183
62 WEST CHESTER STATE COLLEGE	251	5	246
63 UNIVERSITY OF NEVADA AT LAS VEGAS	249	249	0
64 CUNY QUEENS COLLEGE	248	55	193
65 LOYOLA MARYMOUNT UNIVERSITY	246	125	121
66 WESTERN ILLINOIS UNIVERSITY	242	148	94
67 WEST GEORGIA COLLEGE	241	164	77
68 INDIANA UNIVERSITY OF PENNSYLVANIA	238	45	193
69 CALIF STATE COLLEGE OF STANISLAUS	236	101	135
70 UNIVERSITY OF ARKANSAS AT LITTLE ROCK	235	96	139
TOTAL, 1ST 70 INSTITUTIONS	36,681	11,628	25,053

TABLE C-23. MASTER'S-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1977

- CONTINUED

INSTITUTION	TOTAL	FULL TIME	PART TIME
71 UNIVERSITY OF BALTIMORE	234	21	213
72 EASTERN KENTUCKY UNIVERSITY	232	129	103
73 JACKSON STATE UNIVERSITY	232	122	110
74 ST MARY'S UNIVERSITY OF SAN ANTONIO	231	70	161
75 MILLERSVILLE STATE COLLEGE	228	33	195
76 NEW YORK INSTITUTE OF TECHNOLOGY	226	6	220
77 XAVIER UNIVERSITY	219	138	81
78 EAST TENNESSEE STATE UNIVERSITY	218	128	90
79 CALIF POLY STATE UNIV AT SAN LUIS OBISPO	216	86	130
80 PITTSBURG STATE UNIVERSITY	209	110	99
TOTAL, 1ST 80 INSTITUTIONS	38,926	12,471	26,455
81 TEXAS SOUTHERN UNIVERSITY	208	97	111
82 ASSUMPTION COLLEGE	205	69	136
83 WEST TEXAS STATE UNIVERSITY	201	43	158
84 UNIVERSITY OF WEST FLORIDA	199	115	84
85 CENTRAL MISSOURI STATE UNIVERSITY	198	145	53
86 EDINBORO STATE COLLEGE	197	78	119
87 WEST COAST UNIVERSITY	195	195	0
88 MANHATTAN COLLEGE	193	46	147
89 PACE UNIVERSITY NEW YORK CAMPUS	190	26	164
90 WAGNER COLLEGE	186	74	112
TOTAL, 1ST 90 INSTITUTIONS	40,898	13,359	27,539
91 WESTERN KENTUCKY UNIVERSITY	183	152	31
92 DRAKE UNIVERSITY	180	65	115
93 EASTERN ILLINOIS UNIVERSITY	177	157	20
94 FRAMINGHAM STATE COLLEGE	177	32	145
95 YOUNGSTOWN STATE UNIVERSITY	174	36	138
96 EASTERN NEW MEXICO UNIVERSITY	173	87	86
97 FAIRLEIGH DICKINSON U MADISON CAMPUS	168	53	115
98 WESTERN WASHINGTON UNIVERSITY	168	100	68
99 SEATTLE UNIVERSITY	166	52	114
100 WEST VIRGINIA COLLEGE OF GRAD STUDIES	166	8	158
TOTAL, 1ST 100 INSTITUTIONS	42,630	14,101	28,529
101 COLLEGE OF ST ROSE	163	0	163
102 AUBURN UNIVERSITY AT MONTGOMERY	160	87	73
103 QUINNIPIAC COLLEGE	160	0	160
104 IONA COLLEGE	158	86	72
105 APPALACHIAN STATE UNIVERSITY	155	97	58
106 VIRGINIA STATE COLLEGE	155	52	103
107 ANNA MARIA COLLEGE	153	25	128
108 KEAN COLLEGE OF NEW JERSEY	153	9	144
109 UNIV OF COLORADO AT COLORADO SPRINGS	152	111	41
110 UNIVERSITY OF MINNESOTA AT DULUTH	151	128	23
TOTAL, 1ST 110 INSTITUTIONS	44,190	14,696	29,494
111 BUTLER UNIVERSITY	150	6	144
112 SOUTHERN CONNECTICUT STATE COLLEGE	147	27	120
113 UNIVERSITY OF NORTHERN IOWA	145	82	63
114 SUNY COLLEGE AT BROCKPORT	143	56	87
115 WILLIAM PATTERSON COLLEGE	143	33	110
116 UNIVERSITY OF EVANSVILLE	141	14	127
117 BOSTON STATE COLLEGE	140	65	75
118 UNIV OF ALASKA ANCHORAGE SENIOR COLLEGE	138	30	108
119 CALIF STATE COLLEGE OF SONOMA	137	65	72
120 SHIPPENSBURG STATE COLLEGE	134	9	125
TOTAL, 1ST 120 INSTITUTIONS	45,608	15,083	30,525
121 LONE MOUNTAIN COLLEGE	133	107	26
122 ALABAMA A & M UNIVERSITY	131	69	62
123 CALIFORNIA INSTITUTE OF ASIAN STUDIES	131	81	50
124 UNIVERSITY OF SOUTH ALABAMA	130	37	93
125 EASTERN WASHINGTON UNIVERSITY	126	86	40
126 TUSKEGEE INSTITUTE	124	89	35
127 GANNON COLLEGE	123	2	121
128 UNIVERSITY OF MICHIGAN AT DEARBORN	123	3	120
129 TRENTON STATE COLLEGE	122	11	111
130 PACE UNIVERSITY WESTCHESTER CAMPUS	121	115	6
TOTAL, 1ST 130 INSTITUTIONS	46,872	15,683	31,189
131 UNIVERSITY OF SCRANTON	121	42	79
132 UNIVERSITY OF WISCONSIN - OSHKOSH	120	66	54
133 FORT HAYS STATE UNIVERSITY	119	92	27
134 SOUTHEASTERN MASSACHUSETTS UNIVERSITY	119	51	68
135 TEXAS EASTERN UNIVERSITY	118	17	101
136 GEORGIA COLLEGE	117	117	0
137 JAMES MADISON UNIVERSITY	113	58	55
138 UNIVERSITY OF TENNESSEE AT NASHVILLE	113	45	68
139 UNIVERSITY OF WISCONSIN - EAU CLAIRE	112	63	49
140 AMERICAN INTERNATIONAL COLLEGE	111	32	79
TOTAL, 1ST 140 INSTITUTIONS	48,035	16,266	31,769

TABLE C-23. MASTER'S-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1977

- CONTINUED

INSTITUTION	TOTAL	FULL TIME	PART TIME
141 PACIFIC LUTHERAN UNIVERSITY	111	34	77
142 VALDOSTA STATE COLLEGE	110	61	49
143 RADFORD COLLEGE	109	81	28
144 UNIVERSITY OF PUGET SOUND	109	108	1
145 AMERICAN TECHNOLOGICAL UNIVERSITY	108	33	75
146 MILWAUKEE SCHOOL OF ENGINEERING	107	0	107
147 WIDENER COLLEGE	105	10	95
148 A & M SCHWARTZ COL OF PHARMACY & HEA SCI	104	18	86
149 UNIVERSITY OF TEXAS OF THE PERMIAN BASIN	104	7	97
150 UNIVERSITY OF WISCONSIN - STEVENS POINT	104	104	0
TOTAL, 1ST 150 INSTITUTIONS	49,106	16,722	32,384
151 CALIF STATE COLLEGE AT SAN BERNARDINO	99	31	68
152 MURRAY STATE UNIVERSITY	95	74	21
153 NORTHWESTERN STATE UNIV OF LOUISIANA	95	73	22
154 SUNY COLLEGE AT GENESEO	94	60	34
155 HUMBOLDT STATE UNIVERSITY	91	56	35
156 CALIFORNIA LUTHERAN COLLEGE	90	1	69
157 MCNEESE STATE UNIVERSITY	90	28	62
158 PURDUE UNIVERSITY CALUMET CAMPUS	89	4	85
159 ARKANSAS STATE UNIVERSITY	88	49	39
160 UNIVERSITY OF WISCONSIN - GREEN BAY	88	24	64
TOTAL, 1ST 160 INSTITUTIONS	50,025	17,122	32,903
161 CENTRAL WASHINGTON UNIVERSITY	87	43	44
162 CLARION STATE COLLEGE	86	39	47
163 KUTZTOWN STATE COLLEGE	86	9	77
164 UNIVERSITY OF GUAM	86	51	35
165 LA VERNE COLLEGE	85	41	44
166 TARLETON STATE UNIVERSITY	84	55	29
167 UNIVERSITY OF THE DISTRICT OF COLUMBIA	84	46	38
168 CUNY BROOKLYN COLLEGE	82	5	77
169 GEORGIA SOUTHERN COLLEGE	82	28	54
170 RUSSELL SAGE COLLEGE MAIN CAMPUS	82	30	52
TOTAL, 1ST 170 INSTITUTIONS	50,869	17,469	33,400
171 NORTHERN MICHIGAN UNIVERSITY	81	54	27
172 ST JOSEPH'S COLLEGE	80	25	55
173 UNIVERSITY OF NORTH FLORIDA	80	24	56
174 UNIVERSITY OF TENNESSEE AT CHATTANOOGA	79	44	35
175 MOREHEAD STATE UNIVERSITY	78	31	47
176 RHODE ISLAND COLLEGE	78	26	52
177 CORPUS CHRISTI STATE UNIVERSITY	75	19	56
178 SAVANNAH STATE COLLEGE	73	52	21
179 WASHINGTON COLLEGE	73	0	73
180 NORTH CAROLINA CENTRAL UNIVERSITY	72	35	37
TOTAL, 1ST 180 INSTITUTIONS	51,638	17,779	33,859
181 TRINITY COLLEGE	72	0	72
182 MISSISSIPPI UNIVERSITY FOR WOMEN	71	40	31
183 CHICAGO STATE UNIVERSITY	70	11	59
184 AUSTIN PEAY STATE UNIVERSITY	69	27	42
185 UNIV OF NORTH CAROLINA AT CHARLOTTE	69	35	34
186 INDIANA UNIVERSITY AT SOUTH BEND	68	8	60
187 UNIV OF ALASKA JUNEAU SENIOR COLLEGE	68	8	60
188 UNIVERSITY OF WISCONSIN - STOUT	68	45	23
189 MIDWESTERN STATE UNIVERSITY	67	35	32
190 SAINT FRANCIS COLLEGE	67	18	49
TOTAL, 1ST 190 INSTITUTIONS	52,327	18,006	34,321
191 NORTHEAST MISSOURI STATE UNIVERSITY	66	40	26
192 SOUTHERN UNIVERSITY A & M COLLEGE	66	33	33
193 PRAIRIE VIEW A & M UNIVERSITY	65	50	15
194 WESTERN CAROLINA UNIVERSITY	65	55	10
195 SUNY COLLEGE AT FREDONIA	60	31	29
196 MONTEREY INSTITUTE FOR FOREIGN STUDIES	59	52	7
197 SOUTHWEST MISSOURI STATE UNIVERSITY	59	21	38
198 CALIFORNIA STATE COLLEGE	58	23	35
199 FLORIDA A & M UNIVERSITY	58	55	3
200 BRADLEY UNIVERSITY	57	17	40
TOTAL, 1ST 200 INSTITUTIONS	52,940	18,383	34,557
201 COPPIN STATE COLLEGE	57	21	36
202 MIDWEST COLLEGE OF ENGINEERING	56	0	56
203 BIOLA COLLEGE	55	34	21
204 FLORIDA INTERNATIONAL UNIVERSITY	55	23	32
205 OREGON COLLEGE OF EDUCATION	55	20	35
206 UNIVERSITY OF REDLANDS	55	35	20
207 JOHN CARROLL UNIVERSITY	54	27	27
208 PAN AMERICAN UNIVERSITY	54	5	49
209 SUL ROSS STATE UNIVERSITY	54	33	21
210 VALPARAISO UNIVERSITY	53	2	51
TOTAL, 1ST 210 INSTITUTIONS	53,488	18,583	34,905

TABLE C-23. MASTER'S-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1977

- CONTINUED

INSTITUTION	TOTAL	FULL TIME	PART TIME
211 MARIST COLLEGE	52	17	35
212 RIVIER COLLEGE	52	0	52
213 SARAH LAWRENCE COLLEGE	52	38	14
214 NEW MEXICO HIGHLANDS UNIVERSITY	51	51	0
215 SUNY COLLEGE AT PLATTSBURGH	51	46	5
216 UNIVERSITY OF RICHMOND	51	23	28
217 ABILENE CHRISTIAN UNIVERSITY	50	25	25
218 ST JOSEPH COLLEGE	50	0	50
219 UNIVERSITY OF PORTLAND	50	18	32
220 NORTHROP UNIVERSITY	48	23	25
TOTAL, 1ST 220 INSTITUTIONS	53,995	18,824	35,171
221 UNIVERSITY OF SAN DIEGO	47	23	24
222 CITADEL MILITARY COLL OF SOUTH CAROLINA	46	0	46
223 GRAMBLING STATE UNIVERSITY	46	31	15
224 CUNY LEHMAN COLLEGE	44	25	19
225 HAMPTON INSTITUTE	44	17	27
226 NORTHWEST MISSOURI STATE UNIVERSITY	44	24	20
227 PRATT INSTITUTE	44	10	34
228 ST MICHAEL'S COLLEGE	43	11	32
229 TENNESSEE STATE UNIVERSITY	43	4	39
230 EMERSON COLLEGE	42	38	4
TOTAL, 1ST 230 INSTITUTIONS	54,438	19,007	35,431
231 NORTH CAROLINA A & T STATE UNIVERSITY	42	28	14
232 UNIV OF MASSACHUSETTS BOSTON CAMPUS	41	36	5
233 CALIFORNIA STATE COLLEGE AT BAKERSFIELD	40	17	23
234 FISK UNIVERSITY	40	40	0
235 ITHACA COLLEGE	40	23	17
236 SOUTHWESTERN OKLAHOMA STATE UNIVERSITY	40	40	0
237 EAST STROUDSBURG STATE COLLEGE	39	7	32
238 SUNY COLLEGE AT NEW PALTZ	39	15	24
239 ANGELO STATE UNIVERSITY	38	13	25
240 AUGUSTA COLLEGE	36	36	0
TOTAL, 1ST 240 INSTITUTIONS	54,833	19,262	35,571
241 NATIONAL UNIVERSITY	36	0	36
242 PACIFIC STATES UNIVERSITY	35	30	5
243 SUNY COLLEGE AT BUFFALO	35	28	7
244 BEMIDJI STATE UNIVERSITY	33	11	22
245 INDIANA-PURDUE UNIVERSITY AT FORT WAYNE	33	1	32
246 SUNY COLLEGE AT OSWEGO	33	26	7
247 ST CLOUD STATE UNIVERSITY	32	9	23
248 IMMACULATE HEART COLLEGE	31	24	7
249 MONMOUTH COLLEGE	31	0	31
250 SOUTHERN OREGON STATE COLLEGE	31	17	14
TOTAL, 1ST 250 INSTITUTIONS	55,163	19,408	35,755
251 WINTHROP COLLEGE	31	11	20
252 BUCKNELL UNIVERSITY	30	30	0
253 COLLEGE OF CHARLESTON	30	30	0
254 WESTERN CONNECTICUT STATE COLLEGE	29	1	28
255 UNIVERSITY OF MONTEVALLO	28	15	13
256 ALABAMA STATE UNIVERSITY	26	14	12
257 ANDREWS UNIVERSITY	25	17	8
258 JACKSONVILLE STATE UNIVERSITY	25	11	14
259 NIAGARA UNIVERSITY	25	11	14
260 PACIFIC UNION COLLEGE	25	5	20
TOTAL, 1ST 260 INSTITUTIONS	55,437	19,553	35,884
261 COLLEGE OF NEW ROCHELLE	24	9	15
262 CONNECTICUT COLLEGE	24	16	8
263 PHILA COLLEGE OF OSTEOPATHIC MEDICINE	24	24	0
264 ST MARY'S COLLEGE	24	3	21
265 AUGUSTANA COLLEGE	23	0	23
266 DELTA STATE UNIVERSITY	23	9	14
267 PHILLIPS UNIVERSITY	23	20	3
268 BLOOMSBURG STATE COLLEGE	22	6	16
269 SALEM STATE COLLEGE	22	11	11
270 SOUTHEASTERN LOUISIANA UNIVERSITY	22	7	15
TOTAL, 1ST 270 INSTITUTIONS	55,668	19,658	36,010
271 UNIVERSITY OF HOUSTON VICTORIA CAMPUS	22	9	13
272 MONTANA COLLEGE MINERAL SCI & TECHNOLOGY	21	21	0
273 UNIVERSITY OF WISCONSIN - PLATTEVILLE	21	9	12
274 WILLIAMS COLLEGE	21	21	0
275 UNIVERSITY OF WISCONSIN - LA CROSSE	20	15	5
276 WALLA WALLA COLLEGE	19	15	4
277 WORCESTER STATE COLLEGE	19	0	19
278 LYNCHBURG COLLEGE	18	0	18
279 MORGAN STATE UNIVERSITY	18	1	17
280 MOUNT HOLYOKE COLLEGE	18	17	1
TOTAL, 1ST 280 INSTITUTIONS	55,865	19,765	36,099

TABLE C-23. MASTER'S-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1977

- CONTINUED

INSTITUTION	TOTAL	FULL TIME	PART TIME
281 WESTERN STATE COLLEGE OF COLORADO	18	11	7
282 UNIVERSITY OF SAN FRANCISCO	17	16	1
283 DREW UNIVERSITY	16	9	7
284 SLIPPERY ROCK STATE COLLEGE	16	8	8
285 UNIVERSITY OF CENTRAL ARKANSAS	16	9	7
286 GALLAUDET COLLEGE	15	15	0
287 ROSE-HULMAN INSTITUTE OF TECHNOLOGY	15	2	13
288 SAMFORD UNIVERSITY	15	8	7
289 SUNY COLLEGE AT ONEONTA	15	13	2
290 INTER AMERICAN U PUERTO RICO HATO REY	14	0	14
TOTAL, 1ST 290 INSTITUTIONS	56,022	19,857	36,165
291 KEARNEY STATE COLLEGE	14	4	10
292 BRIDGEWATER STATE COLLEGE	13	3	10
293 INCARNATE WORD COLLEGE	13	10	3
294 UNIVERSITY OF WISCONSIN - RIVER FALLS	13	10	3
295 CENTRAL CONNECTICUT STATE COLLEGE	12	0	12
296 NICHOLLS STATE UNIVERSITY	12	5	7
297 SUNY COLLEGE AT CORTLAND	12	12	0
298 NORWICH UNIVERSITY	10	0	10
299 STETSON UNIVERSITY	9	0	9
300 CATHOLIC UNIVERSITY OF PUERTO RICO	8	8	0
TOTAL, 1ST 300 INSTITUTIONS	56,138	19,909	36,229
301 CUNY COLLEGE OF STATEN ISLAND ST GEORGE	8	0	8
302 HENDERSON STATE UNIVERSITY	8	2	6
303 HOLY NAMES COLLEGE	8	2	6
304 WHITTIER COLLEGE	8	8	0
305 WILKES COLLEGE	8	0	8
306 GONZAGA UNIVERSITY	7	5	2
307 SUNY COLLEGE AT POTSDAM	7	0	7
308 CHEYNEY STATE COLLEGE	6	2	4
309 DE PAUW UNIVERSITY	6	6	0
310 HARVEY MUDD COLLEGE	6	6	0
TOTAL, 1ST 310 INSTITUTIONS	56,210	19,940	36,270
311 INDIANA CENTRAL UNIVERSITY	6	1	5
312 MISSISSIPPI COLLEGE	6	4	2
313 SUNY STATE COLLEGE OF OPTOMETRY	6	1	5
314 FURMAN UNIVERSITY	5	5	0
315 HOLLINS COLLEGE	5	4	1
316 LINCOLN UNIVERSITY	5	5	0
317 OCCIDENTAL COLLEGE	5	4	1
318 PACIFIC UNIVERSITY	5	2	3
319 VASSAR COLLEGE	4	1	3
320 HEED UNIVERSITY	3	3	0
TOTAL, 1ST 320 INSTITUTIONS	56,260	19,970	36,290
321 COLLEGE OF THE HOLY CROSS	2	2	0
322 MIDDLEBURY COLLEGE	2	2	0
323 UNIVERSITY OF WISCONSIN - SUPERIOR	2	2	0
324 OBERLIN COLLEGE	1	0	1
325 SWARTHMORE COLLEGE	1	0	1
326 WHITWORTH COLLEGE	0	0	0

NONRESPONDENT INSTITUTIONS IN 1977:

INTER AMERICAN U PUERTO RICO SAN GERMAN
TEXAS A & I UNIVERSITY
WORLD UNIVERSITY

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-1. SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT AND POSTDOCTORALS: DEPARTMENTAL POPULATION IN ALL DOCTORATE DEPARTMENTS: 1975-77

FIELD OF SCIENCE	TOTAL			PUBLIC			PRIVATE		
	1975	1976	1977	1975	1976	1977	1975	1976	1977
TOTAL, ALL FIELDS	6,213	6,272	6,374	4,126	4,141	4,194	2,087	2,131	2,180
ENGINEERING	779	778	783	536	537	537	243	241	246
AERONAUTICAL	39	38	37	27	27	26	12	11	11
AGRICULTURAL	30	31	29	29	30	28	1	1	1
BIOMEDICAL	33	33	33	19	20	19	14	13	14
CHEMICAL	101	100	102	69	68	69	32	32	33
CIVIL	109	108	111	72	71	74	37	37	37
ELECTRICAL	118	118	118	80	79	79	38	39	39
ENGINEERING SCIENCE	47	46	45	34	35	34	13	11	11
INDUSTRIAL	68	70	69	45	45	45	23	25	24
MECHANICAL	101	100	103	71	70	71	30	30	32
METALLURGICAL/MATERIALS	61	59	[illegible]	39	39	40	22	20	20
MINING	10	9	[illegible]	9	8	8	1	1	1
NUCLEAR	27	26	26	20	20	20	7	6	6
PETROLEUM	13	13	12	9	9	8	4	4	4
ENGINEERING, NEC.	22	27	29	13	16	16	9	11	13
PHYSICAL SCIENCES	409	403	402	255	251	251	154	152	151
ASTRONOMY	30	27	27	20	18	18	10	9	9
CHEMISTRY	196	194	194	124	123	123	72	71	71
PHYSICS	182	182	180	110	110	109	72	72	71
PHYSICAL SCIENCES, NEC.	1	0	1	1	0	1	0	0	0
ENVIRONMENTAL SCIENCES	190	195	195	145	147	147	45	48	48
ATMOSPHERIC SCIENCES	24	27	27	21	23	23	3	4	4
GEOSCIENCES	127	128	127	93	93	92	34	35	35
OCEANOGRAPHY	31	32	32	24	24	24	7	8	8
ENVIRONMENTAL SCIENCES, NEC.	8	8	9	7	7	8	1	1	1
MATHEMATICAL SCIENCES	267	271	269	176	180	179	91	91	90
COMPUTER SCIENCE	58	58	57	42	42	41	16	16	16
MATHEMATICS AND APPLIED MATHEMATICS	166	169	167	102	105	104	64	64	63
STATISTICS	43	44	45	32	33	34	11	11	11
LIFE SCIENCES	3,679	3,708	3,792	2,433	2,442	2,489	1,246	1,266	1,303
AGRICULTURAL SCIENCES	228	229	229	218	218	218	10	11	11
BIOLOGICAL SCIENCES	1,359	1,351	1,381	932	920	941	427	431	440
ANATOMY	100	100	103	62	62	65	38	38	38
BIOCHEMISTRY	150	150	153	99	98	101	51	52	52
BIOLOGY	133	132	135	73	71	73	60	61	62
BIOMETRY/EPIDEMIOLOGY	31	31	37	19	18	23	12	13	14
BIOPHYSICS	38	35	35	28	25	24	10	10	11
BOTANY	83	83	80	78	78	75	5	5	5
CELL BIOLOGY	28	28	30	13	14	16	15	14	14
ECOLOGY	15	18	19	13	15	16	2	3	3
ENTOMOLOGY/PARASITOLOGY	42	42	41	39	39	38	3	3	3
GENETICS	50	51	53	33	35	36	17	16	17
MICROBIOLOGY	165	165	169	112	108	111	53	57	58
NUTRITION	56	54	55	46	46	46	10	8	9
PATHOLOGY	129	129	133	79	78	81	50	51	52
PHARMACOLOGY	126	126	133	84	83	89	42	43	44
PHYSIOLOGY	129	127	130	86	85	87	43	42	43
ZOOLOGY	57	55	51	52	50	46	5	5	5
BIOSCIENCES, NEC.	27	25	24	16	15	14	11	10	10
HEALTH SCIENCES	2,092	2,128	2,182	1,283	1,304	1,330	809	824	852
ANESTHESIOLOGY	90	88	92	51	48	51	39	40	41
CARDIOLOGY	94	95	95	56	57	57	38	38	38
CLINICAL PHARMACOLOGY	22	22	23	14	14	14	8	8	9
DENTISTRY	29	38	48	11	19	19	18	19	29
ENDOCRINOLOGY	96	99	99	59	61	61	37	38	38
GASTROENTEROLOGY	83	84	84	49	49	49	34	35	35
HEMATOLOGY	90	89	87	52	51	50	38	38	37
NEUROLOGY	110	113	114	65	67	68	45	46	46
NURSING	8	11	15	7	8	9	1	3	6
OBSTETRICS/GYNECOLOGY	104	103	102	64	63	62	40	40	40
OPHTHALMOLOGY	91	92	92	53	53	53	38	39	39
OTORHINOLARYNGOLOGY	89	90	90	54	54	53	35	36	37
PEDIATRICS	102	103	103	59	59	59	43	44	44
PHARMACEUTICAL SCIENCES	60	58	59	50	49	50	10	9	9
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	129	130	133	89	90	93	40	40	40
PSYCHIATRY	98	98	99	56	56	57	42	42	42
PULMONARY DISEASE	84	84	83	49	49	48	35	35	35
RADIOLOGY	115	113	116	67	65	67	48	48	49
SPEECH PATHOLOGY/AUDIOLOGY	37	35	36	32	31	32	5	4	4
SURGERY	225	230	233	128	132	135	97	98	98
VETERINARY SCIENCES	40	40	43	39	39	41	1	1	2
CLINICAL MEDICINE, NEC.	261	274	297	155	167	178	106	107	119
HEALTH RELATED, NEC.	35	39	39	24	23	24	11	16	15
PSYCHOLOGY	221	230	237	142	144	147	79	86	90
SOCIAL SCIENCES	668	687	696	439	440	444	229	247	252
AGRICULTURAL ECONOMICS	34	34	34	33	33	33	1	1	1
ANTHROPOLOGY	73	75	75	48	48	48	25	27	27
ECONOMICS (EXCEPT AGRICULTURAL)	121	122	121	77	77	76	44	45	45
GEOGRAPHY	48	48	48	40	40	40	8	8	8
HISTORY AND PHILOSOPHY OF SCIENCE	26	25	25	13	12	13	13	13	12
LINGUISTICS	58	57	56	37	37	37	21	20	19
POLITICAL SCIENCE	133	144	151	79	82	83	54	62	68
SOCIOLOGY	123	127	129	83	83	85	40	44	44
SOCIOLOGY/ANTHROPOLOGY	17	16	16	9	8	8	8	8	8
SOCIAL SCIENCES, NEC.	35	39	41	20	20	21	15	19	20

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-2. GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE, ENROLLMENT STATUS, LEVEL OF STUDY, INSTITUTIONAL CONTROL, AND SEX: 1977

FIELD OF SCIENCE	TOTAL	ENROLLMENT STATUS		LEVEL OF STUDY		INSTITUTIONAL CONTROL		SEX	
		FULL TIME	PART TIME	FIRST YEAR	BEYOND FIRST YEAR	PUBLIC	PRIVATE	MEN	WOMEN
TOTAL, ALL FIELDS	246,655	185,612	61,043	82,951	163,704	165,355	81,300	180,025	66,630
ENGINEERING	55,035	34,309	20,726	22,946	32,089	33,978	21,057	51,550	3,485
AERONAUTICAL	1,656	1,310	346	595	1,061	1,053	603	1,612	44
AGRICULTURAL	728	634	94	241	487	692	36	684	44
BIOMEDICAL	821	688	133	249	572	432	389	735	86
CHEMICAL	4,870	3,788	1,082	2,022	2,848	3,157	1,713	4,448	422
CIVIL	9,565	5,846	3,719	4,222	5,343	6,454	3,111	9,004	561
ELECTRICAL	15,171	7,904	7,267	7,053	8,118	8,243	6,928	14,546	625
ENGINEERING SCIENCE	1,804	1,330	474	510	1,294	1,401	403	1,719	85
INDUSTRIAL	5,642	3,290	2,352	2,505	3,137	3,375	2,267	4,848	794
MECHANICAL	7,031	4,177	2,854	2,915	4,116	4,453	2,578	6,829	202
METALLURGICAL/MATERIALS	2,479	1,910	569	737	1,742	1,448	1,031	2,302	177
MINING	363	307	56	98	265	277	86	345	18
NUCLEAR	1,418	1,111	307	442	976	1,031	387	1,365	53
PETROLEUM	437	363	74	161	276	286	151	420	17
ENGINEERING, NEC.	3,050	1,651	1,399	1,196	1,854	1,676	1,374	2,693	357
PHYSICAL SCIENCES	23,505	20,943	2,562	6,372	17,133	15,986	7,519	20,166	3,339
ASTRONOMY	520	484	36	129	391	339	181	458	62
CHEMISTRY	13,808	12,051	1,757	3,955	9,853	9,718	4,090	11,229	2,579
PHYSICS	9,175	8,406	769	2,288	6,887	5,927	3,248	8,479	696
PHYSICAL SCIENCES, NEC.	2	2	0	0	2	2	0	0	2
ENVIRONMENTAL SCIENCES	9,597	8,001	1,596	2,783	6,814	7,699	1,898	8,059	1,538
ATMOSPHERIC SCIENCES	952	856	96	309	643	889	63	875	77
GEOSCIENCES	6,199	5,267	932	1,842	4,357	4,764	1,435	5,143	1,056
OCEANOGRAPHY	1,946	1,635	311	482	1,464	1,552	394	1,629	317
ENVIRONMENTAL SCIENCES, NEC.	500	243	257	150	350	494	6	412	88
MATHEMATICAL SCIENCES	16,078	11,593	4,485	5,746	10,332	11,806	4,272	12,720	3,358
COMPUTER SCIENCE	5,221	3,264	1,957	2,116	3,105	4,017	1,204	4,365	856
MATHEMATICS AND APPLIED MATHEMATICS	9,092	6,890	2,202	3,101	5,991	6,339	2,753	7,022	2,070
STATISTICS	1,765	1,439	326	529	1,236	1,450	315	1,333	432
LIFE SCIENCES	63,948	52,400	11,548	21,395	42,553	48,892	15,056	39,775	24,173
AGRICULTURAL SCIENCES	10,371	8,926	1,445	3,653	6,718	10,067	304	8,544	1,827
BIOLOGICAL SCIENCES	38,032	32,904	5,128	10,840	27,192	28,035	9,997	25,298	12,734
ANATOMY	1,145	1,043	102	286	859	759	386	762	383
BIOCHEMISTRY	3,733	3,513	220	966	2,767	2,652	1,081	2,653	1,080
BIOLOGY	9,008	7,295	1,713	2,745	6,263	5,504	3,504	5,966	3,042
BIOMETRY/EPIDEMIOLOGY	782	636	146	235	547	563	219	484	298
BIOPHYSICS	643	620	23	130	513	333	310	513	130
BOTANY	2,885	2,602	283	792	2,093	2,719	166	2,019	866
CELL BIOLOGY	619	584	35	162	457	407	212	412	207
ECOLOGY	948	849	99	217	731	850	98	687	261
ENTOMOLOGY/PARASITOLOGY	1,510	1,313	197	422	1,088	1,450	60	1,246	264
GENETICS	947	892	55	254	693	713	234	540	407
MICROBIOLOGY	3,902	3,434	468	1,106	2,796	2,944	958	2,440	1,462
NUTRITION	2,935	2,302	633	1,073	1,862	2,350	585	1,263	1,672
PATHOLOGY	1,061	910	151	300	761	658	403	686	375
PHARMACOLOGY	1,689	1,573	116	431	1,258	1,105	584	1,240	449
PHYSIOLOGY	2,106	1,977	129	577	1,529	1,537	569	1,566	540
ZOOLOGY	3,000	2,555	445	779	2,221	2,821	179	2,112	888
BIOSCIENCES, NEC.	1,119	806	313	365	754	670	449	709	410
HEALTH SCIENCES	15,545	10,570	4,975	6,902	8,643	10,790	4,755	5,933	9,612
ANESTHESIOLOGY	2	0	2	2	0	0	2	2	0
CARDIOLOGY	5	3	2	1	4	2	3	4	1
CLINICAL PHARMACOLOGY	5	5	0	4	1	5	0	4	1
DENTISTRY	435	318	117	155	280	103	332	327	108
ENDOCRINOLOGY	42	35	7	12	30	37	5	29	13
GASTROENTEROLOGY	8	8	0	4	4	8	0	8	0
HEMATOLOGY	5	5	0	0	5	1	4	2	3
NEUROLOGY	345	336	9	79	266	187	158	246	99
NURSING	4,738	2,189	2,549	2,439	2,299	2,857	1,881	154	4,584
OBSTETRICS/GYNECOLOGY	31	29	2	15	16	17	14	20	11
OPHTHALMOLOGY	9	7	2	0	9	6	3	4	5
OTORHINOLARYNGOLOGY	53	53	0	18	35	31	22	32	21
PEDIATRICS	78	72	6	53	25	43	35	27	51
PHARMACEUTICAL SCIENCES	2,094	1,353	741	680	1,414	1,381	713	1,458	636
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	3,172	2,522	650	1,670	1,502	2,417	755	1,654	1,518
PSYCHIATRY	209	163	46	29	180	136	73	135	74
PULMONARY DISEASE	17	17	0	9	8	5	12	17	0
RADIOLOGY	222	188	34	74	148	211	11	182	40
SPEECH PATHOLOGY/AUDIOLOGY	2,493	1,963	530	1,064	1,429	2,136	357	555	1,938
SURGERY	83	72	11	18	65	59	24	69	14
VETERINARY SCIENCES	686	556	130	228	458	627	59	511	175
CLINICAL MEDICINE, NEC.	311	260	51	135	176	224	87	227	84
HEALTH RELATED, NEC.	502	416	86	213	289	297	205	266	236
PSYCHOLOGY	25,490	19,560	5,930	6,420	19,070	14,739	10,751	13,858	11,632
SOCIAL SCIENCES	53,002	38,806	14,196	17,289	35,713	32,255	20,747	33,897	19,105
AGRICULTURAL ECONOMICS	2,036	1,793	243	713	1,323	1,959	77	1,774	262
ANTHROPOLOGY	5,355	4,326	1,029	1,260	4,095	3,788	1,567	2,694	2,661
ECONOMICS (EXCEPT AGRICULTURAL)	9,393	7,004	2,389	2,892	6,501	5,440	3,953	7,692	1,701
GEOGRAPHY	2,073	1,600	473	601	1,472	1,839	234	1,499	574
HISTORY AND PHILOSOPHY OF SCIENCE	290	257	33	64	226	163	127	205	85
LINGUISTICS	3,458	2,733	725	1,250	2,208	2,500	958	1,573	1,885
POLITICAL SCIENCE	14,974	9,240	5,734	5,131	9,843	7,040	7,934	10,931	4,043
SOCIOLOGY	7,974	6,349	1,625	2,208	5,766	5,211	2,763	4,540	3,434
SOCIOLOGY/ANTHROPOLOGY	1,021	575	446	304	717	493	528	659	362
SOCIAL SCIENCES, NEC.	6,428	4,929	1,499	2,866	3,562	3,822	2,606	2,330	4,098

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-3. GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE, INSTITUTIONAL CONTROL, ENROLLMENT STATUS, AND LEVEL OF STUDY: 1977

FIELD OF SCIENCE	PUBLIC INSTITUTIONS					PRIVATE INSTITUTIONS				
	TOTAL	ENROLLMENT STATUS		LEVEL OF STUDY		TOTAL	ENROLLMENT STATUS		LEVEL OF STUDY	
		FULL TIME	PART TIME	FIRST YEAR	BEYOND FIRST YEAR		FULL TIME	PART TIME	FIRST YEAR	BEYOND FIRST YEAR
TOTAL, ALL FIELDS	165,355	131,221	34,134	55,375	109,980	81,300	54,391	26,909	27,576	53,724
ENGINEERING	33,978	23,394	10,584	14,226	19,752	21,057	10,915	10,142	8,720	12,337
AERONAUTICAL	1,053	811	242	392	661	603	499	104	203	400
AGRICULTURAL	692	598	94	229	463	36	36	0	12	24
BIOMEDICAL	432	371	61	131	301	389	317	72	118	271
CHEMICAL	3,157	2,556	601	1,269	1,888	1,713	1,232	481	753	960
CIVIL	6,454	4,290	2,164	2,986	3,468	3,111	1,556	1,555	1,236	1,875
ELECTRICAL	8,243	5,287	2,956	3,778	4,465	6,928	2,617	4,311	3,275	3,653
ENGINEERING SCIENCE	1,401	968	433	396	1,005	403	362	41	114	289
INDUSTRIAL	3,375	2,030	1,345	1,544	1,831	2,267	1,260	1,007	961	1,306
MECHANICAL	4,453	2,855	1,598	1,804	2,649	2,578	1,322	1,256	1,111	1,467
METALLURGICAL/MATERIALS	1,448	1,173	275	385	1,063	1,031	737	294	352	679
MINING	277	226	51	76	201	86	81	5	22	64
NUCLEAR	1,031	857	174	308	723	387	254	133	134	253
PETROLEUM	286	245	41	110	176	151	118	33	51	100
ENGINEERING, NEC.	1,676	1,127	549	818	858	1,374	524	850	378	996
PHYSICAL SCIENCES	15,986	14,526	1,460	4,368	11,618	7,519	6,417	1,102	2,004	5,515
ASTRONOMY	339	307	32	93	246	181	177	4	36	145
CHEMISTRY	9,718	8,744	974	2,760	6,958	4,090	3,307	783	1,195	2,895
PHYSICS	5,927	5,473	454	1,515	4,412	3,248	2,933	315	773	2,475
PHYSICAL SCIENCES, NEC.	2	2	0	0	2	0	0	0	0	0
ENVIRONMENTAL SCIENCES	7,699	6,334	1,365	2,239	5,460	1,898	1,667	231	544	1,354
ATMOSPHERIC SCIENCES	889	796	93	289	600	63	60	3	20	43
GEOSCIENCES	4,764	4,001	763	1,442	3,322	1,435	1,266	169	400	1,035
OCEANOGRAPHY	1,552	1,300	252	359	1,193	394	335	59	123	271
ENVIRONMENTAL SCIENCES, NEC.	494	237	257	149	345	6	6	0	1	5
MATHEMATICAL SCIENCES	11,806	8,875	2,931	4,053	7,753	4,272	2,718	1,554	1,693	2,579
COMPUTER SCIENCE	4,017	2,648	1,369	1,504	2,513	1,204	616	588	612	592
MATHEMATICS AND APPLIED MATHEMATICS	6,339	5,023	1,316	2,101	4,238	2,753	1,867	886	1,000	1,753
STATISTICS	1,450	1,204	246	448	1,002	315	235	80	81	234
LIFE SCIENCES	48,892	41,130	7,762	16,270	32,622	15,056	11,270	3,786	5,125	9,931
AGRICULTURAL SCIENCES	10,067	8,629	1,438	3,566	6,501	304	297	7	87	217
BIOLOGICAL SCIENCES	28,035	24,559	3,476	7,944	20,091	9,997	8,345	1,652	2,896	7,101
ANATOMY	759	695	64	186	573	386	348	38	100	286
BIOCHEMISTRY	2,652	2,478	174	692	1,960	1,081	1,035	46	274	807
BIOLOGY	5,504	4,750	754	1,713	3,791	3,504	2,545	959	1,032	2,472
BIOMETRY/EPIDEMIOLOGY	563	475	88	154	409	219	161	58	81	138
BIOPHYSICS	333	312	21	67	266	310	308	2	63	247
BOTANY	2,719	2,446	273	745	1,974	166	156	10	47	119
CELL BIOLOGY	407	381	26	105	302	212	203	9	57	155
ECOLOGY	850	765	85	194	656	98	84	14	23	75
ENTOMOLOGY/PARASITOLOGY	1,450	1,256	194	402	1,048	60	57	3	20	40
GENETICS	713	680	33	204	509	234	212	22	50	184
MICROBIOLOGY	2,944	2,601	343	824	2,120	958	833	125	282	676
NUTRITION	2,350	1,759	591	862	1,488	585	543	42	211	374
PATHOLOGY	658	582	76	189	469	403	328	75	111	292
PHARMACOLOGY	1,105	1,032	73	286	819	584	541	43	145	439
PHYSIOLOGY	1,537	1,438	99	400	1,137	569	539	30	177	392
ZOOLOGY	2,821	2,395	426	738	2,083	179	160	19	41	138
BIOSCIENCES, NEC.	670	[illegible]	156	183	487	449	292	157	182	267
HEALTH SCIENCES	10,790	7,942	2,848	4,760	6,030	4,755	2,628	2,127	2,142	2,613
ANESTHESIOLOGY	0	0	0	0	0	2	0	2	2	0
CARDIOLOGY	2	2	0	1	1	3	1	2	0	3
CLINICAL PHARMACOLOGY	5	5	0	4	1	0	0	0	0	0
DENTISTRY	103	85	18	26	77	332	233	99	129	203
ENDOCRINOLOGY	37	35	2	10	27	5	0	5	2	3
GASTROENTEROLOGY	8	8	0	4	4	0	0	0	0	0
HEMATOLOGY	1	1	0	0	1	4	4	0	0	4
NEUROLOGY	187	185	2	42	145	158	151	7	37	121
NURSING	2,857	1,383	1,474	1,456	1,401	1,881	806	1,075	983	898
OBSTETRICS/GYNECOLOGY	17	17	0	8	9	14	12	2	7	7
OPHTHALMOLOGY	6	6	0	0	6	3	1	2	0	3
OTORHINOLARYNGOLOGY	31	31	0	7	24	22	22	0	11	11
PEDIATRICS	43	43	0	30	13	35	29	6	23	12
PHARMACEUTICAL SCIENCES	1,381	1,207	174	427	954	713	146	567	253	460
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,417	1,942	475	1,278	1,139	755	580	175	392	363
PSYCHIATRY	136	103	33	23	113	73	60	13	6	67
PULMONARY DISEASE	5	5	0	2	3	12	12	0	7	5
RADIOLOGY	211	178	33	69	142	11	10	1	5	6
SPEECH PATHOLOGY/AUDIOLOGY	2,136	1,699	437	911	1,225	357	264	93	153	204
SURGERY	59	59	0	12	47	24	13	11	6	18
VETERINARY SCIENCES	627	497	130	211	416	59	59	0	17	42
CLINICAL MEDICINE, NEC.	224	187	37	92	132	87	73	14	43	44
HEALTH RELATED, NEC.	297	264	33	147	150	205	152	53	66	139
PSYCHOLOGY	14,739	12,155	2,584	3,656	11,083	10,751	7,405	3,346	2,764	7,987
SOCIAL SCIENCES	32,255	24,807	7,448	10,563	21,692	20,747	13,999	6,748	6,726	14,021
AGRICULTURAL ECONOMICS	1,959	1,716	243	693	1,266	77	77	0	20	57
ANTHROPOLOGY	3,788	3,077	711	869	2,919	1,567	1,249	318	391	1,176
ECONOMICS (EXCEPT AGRICULTURAL)	5,440	4,281	1,159	1,654	3,786	3,953	2,723	1,230	1,238	2,715
GEOGRAPHY	1,839	1,396	443	533	1,306	234	204	30	68	166
HISTORY AND PHILOSOPHY OF SCIENCE	163	135	28	38	125	127	122	5	26	101
LINGUISTICS	2,500	2,024	476	903	1,597	958	709	249	347	611
POLITICAL SCIENCE	7,040	4,783	2,257	2,452	4,588	7,934	4,457	3,477	2,679	5,255
SOCIOLOGY	5,211	4,137	1,074	1,429	3,782	2,763	2,212	551	779	1,984
SOCIOLOGY/ANTHROPOLOGY	493	356	137	156	337	528	219	309	148	380
SOCIAL SCIENCES, NEC.	3,822	2,902	920	1,836	1,986	2,606	2,027	579	1,030	1,576

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-4. GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY DIVISION, STATE, ENROLLMENT STATUS, AND SOURCE OF MAJOR SUPPORT: 1977

DIVISION AND STATE	TOTAL	FULL TIME						PART TIME	
		TOTAL		FEDERAL		NON-FEDERAL			
		NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
UNITED STATES TOTAL.............	246,655	185,612	75.3	44,044	23.7	141,568	76.3	61,043	24.7
NEW ENGLAND.....................	18,008	14,811	82.2	4,505	30.4	10,306	69.6	3,197	17.8
CONNECTICUT.....................	3,020	2,704	89.5	665	24.6	2,039	75.4	316	10.5
MAINE...........................	219	201	91.8	69	34.3	132	65.7	18	8.2
MASSACHUSETTS...................	12,496	10,036	80.3	3,193	31.8	6,843	68.2	2,460	19.7
NEW HAMPSHIRE...................	536	490	91.4	124	25.3	366	74.7	46	8.6
RHODE ISLAND....................	1,397	1,125	80.5	399	35.5	726	64.5	272	19.5
VERMONT.........................	340	255	75.0	55	21.6	200	78.4	85	25.0
MIDDLE ATLANTIC.................	46,810	28,563	61.0	6,529	22.9	22,034	77.1	18,247	39.0
NEW JERSEY......................	5,921	2,937	49.6	682	23.2	2,255	76.8	2,984	50.4
NEW YORK........................	29,016	17,599	60.7	3,573	20.3	14,026	79.7	11,417	39.3
PENNSYLVANIA....................	11,873	8,027	67.6	2,274	28.3	5,753	71.7	3,846	32.4
EAST NORTH CENTRAL..............	46,328	37,634	81.2	8,941	23.8	28,693	76.2	8,694	18.8
ILLINOIS........................	12,223	9,692	79.3	2,648	27.3	7,044	72.7	2,531	20.7
INDIANA.........................	5,701	5,082	89.1	1,288	25.3	3,794	74.7	619	10.9
MICHIGAN........................	10,432	8,808	84.4	1,629	18.5	7,179	81.5	1,624	15.6
OHIO............................	11,677	8,878	76.0	1,831	20.6	7,047	79.4	2,799	24.0
WISCONSIN.......................	6,295	5,174	82.2	1,545	29.9	3,629	70.1	1,121	17.8
WEST NORTH CENTRAL..............	17,207	13,958	81.1	3,016	21.6	10,942	78.4	3,249	18.9
IOWA............................	3,655	2,865	78.4	524	18.3	2,341	81.7	790	21.6
KANSAS..........................	2,813	2,418	86.0	498	20.6	1,920	79.4	395	14.0
MINNESOTA.......................	4,336	3,692	85.1	1,007	27.3	2,685	72.7	644	14.9
MISSOURI........................	4,553	3,532	77.6	716	20.3	2,816	79.7	1,021	22.4
NEBRASKA........................	1,183	897	75.8	152	16.9	745	83.1	286	24.2
NORTH DAKOTA....................	447	378	84.6	79	20.9	299	79.1	69	15.4
SOUTH DAKOTA....................	220	176	80.0	40	22.7	136	77.3	44	20.0
SOUTH ATLANTIC..................	34,237	23,812	69.6	5,162	21.7	18,650	78.3	10,425	30.4
DELAWARE........................	837	575	68.7	124	21.6	451	78.4	262	31.3
DISTRICT OF COLUMBIA............	7,885	3,474	44.1	588	16.9	2,886	83.1	4,411	55.9
FLORIDA.........................	5,036	4,096	81.3	946	23.1	3,150	76.9	940	18.7
GEORGIA.........................	3,756	3,036	80.8	487	16.0	2,549	84.0	720	19.2
MARYLAND........................	4,916	3,051	62.1	653	21.4	2,398	78.6	1,865	37.9
NORTH CAROLINA..................	4,901	4,328	88.3	1,245	28.8	3,083	71.2	573	11.7
SOUTH CAROLINA..................	1,879	1,301	69.2	195	15.0	1,106	85.0	578	30.8
VIRGINIA........................	4,018	3,087	76.8	697	22.6	2,390	77.4	931	23.2
WEST VIRGINIA...................	1,009	864	85.6	227	26.3	637	73.7	145	14.4
EAST SOUTH CENTRAL..............	8,383	6,542	78.0	1,189	18.2	5,353	81.8	1,841	22.0
ALABAMA.........................	1,864	1,382	74.1	316	22.9	1,066	77.1	482	25.9
KENTUCKY........................	1,487	1,217	81.8	237	19.5	980	80.5	270	18.2
MISSISSIPPI.....................	1,377	1,125	81.7	151	13.4	974	86.6	252	18.3
TENNESSEE.......................	3,655	2,818	77.1	485	17.2	2,333	82.8	837	22.9
WEST SOUTH CENTRAL..............	21,750	14,950	68.7	2,328	15.6	12,622	84.4	6,800	31.3
ARKANSAS........................	692	574	82.9	87	15.2	487	84.8	118	17.1
LOUISIANA.......................	2,251	1,660	73.7	192	11.6	1,468	88.4	591	26.3
OKLAHOMA........................	3,178	2,302	72.4	468	20.3	1,834	79.7	876	27.6
TEXAS...........................	15,629	10,414	66.6	1,581	15.2	8,833	84.8	5,215	33.4
MOUNTAIN........................	16,044	12,751	79.5	2,999	23.5	9,752	76.5	3,293	20.5
ARIZONA.........................	4,072	3,003	73.7	584	19.4	2,419	80.6	1,069	26.3
COLORADO........................	5,281	4,548	86.1	1,192	26.2	3,356	73.8	733	13.9
IDAHO...........................	915	577	63.1	121	21.0	456	79.0	338	36.9
MONTANA.........................	580	551	95.0	106	19.2	445	80.8	29	5.0
NEVADA..........................	351	270	76.9	71	26.3	199	73.7	81	23.1
NEW MEXICO......................	1,413	1,031	73.0	230	22.3	801	77.7	382	27.0
UTAH............................	2,967	2,361	79.6	590	25.0	1,771	75.0	606	20.4
WYOMING.........................	465	410	88.2	105	25.6	305	74.4	55	11.8
PACIFIC.........................	37,589	32,322	86.0	9,288	28.7	23,034	71.3	5,267	14.0
ALASKA..........................	181	171	94.5	54	31.6	117	68.4	10	5.5
CALIFORNIA......................	28,788	24,599	85.4	7,191	29.2	17,408	70.8	4,189	14.6
HAWAII..........................	1,316	1,195	90.8	335	28.0	860	72.0	121	9.2
OREGON..........................	2,531	2,249	88.9	506	22.5	1,743	77.5	282	11.1
WASHINGTON......................	4,773	4,108	86.1	1,202	29.3	2,906	70.7	665	13.9
U.S. TERRITORIES................	299	269	90.0	87	32.3	182	67.7	30	10.0

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-5. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE, LEVEL OF STUDY, CITIZENSHIP, AND SEX: 1977

FIELD OF SCIENCE	TOTAL	LEVEL OF STUDY		CITIZENSHIP		SEX	
		FIRST YEAR	BEYOND FIRST YEAR	U.S. CITIZENS	FOREIGN STUDENTS	MEN	WOMEN
TOTAL, ALL FIELDS	185,612	62,738	122,874	151,956	33,656	135,755	49,857
ENGINEERING	34,309	14,370	19,939	21,660	12,649	32,004	2,305
AERONAUTICAL	1,310	453	857	778	532	1,279	31
AGRICULTURAL	634	221	413	312	322	595	39
BIOMEDICAL	688	230	458	587	101	613	75
CHEMICAL	3,788	1,597	2,191	2,297	1,491	3,451	337
CIVIL	5,846	2,916	2,930	3,818	2,028	5,463	383
ELECTRICAL	7,904	3,334	4,570	5,015	2,889	7,547	357
ENGINEERING SCIENCE	1,330	398	932	852	478	1,259	71
INDUSTRIAL	3,290	1,489	1,801	2,011	1,279	2,884	406
MECHANICAL	4,177	1,851	2,326	2,598	1,579	4,068	109
METALLURGICAL/MATERIALS	1,910	569	1,341	1,152	758	1,769	141
MINING	307	89	218	180	127	289	18
NUCLEAR	1,111	365	746	740	371	1,066	45
PETROLEUM	363	146	217	126	237	350	13
ENGINEERING, NEC.	1,651	712	939	1,194	457	1,371	280
PHYSICAL SCIENCES	20,943	5,761	15,182	16,534	4,409	18,077	2,866
ASTRONOMY	484	117	367	424	60	428	56
CHEMISTRY	12,051	3,506	8,545	9,673	2,378	9,877	2,174
PHYSICS	8,406	2,138	6,268	6,435	1,971	7,772	634
PHYSICAL SCIENCES, NEC.	2	0	2	2	0	0	2
ENVIRONMENTAL SCIENCES	8,001	2,496	5,505	7,016	985	6,691	1,310
ATMOSPHERIC SCIENCES	856	288	568	729	127	783	73
GEOSCIENCES	5,267	1,688	3,579	4,668	599	4,379	888
OCEANOGRAPHY	1,635	416	1,219	1,393	242	1,356	279
ENVIRONMENTAL SCIENCES, NEC.	243	104	139	226	17	173	70
MATHEMATICAL SCIENCES	11,593	3,955	7,638	8,855	2,738	9,332	2,261
COMPUTER SCIENCE	3,264	1,251	2,013	2,511	753	2,780	484
MATHEMATICS AND APPLIED MATHEMATICS	6,890	2,249	4,641	5,430	1,460	5,443	1,447
STATISTICS	1,439	455	984	914	525	1,109	330
LIFE SCIENCES	52,400	17,687	34,713	46,239	6,161	34,285	18,115
AGRICULTURAL SCIENCES	8,926	3,325	5,401	7,084	1,842	7,329	1,597
BIOLOGICAL SCIENCES	32,904	9,395	23,509	29,589	3,315	22,256	10,648
ANATOMY	1,043	268	775	993	50	697	346
BIOCHEMISTRY	3,513	895	2,618	3,093	420	2,514	999
BIOLOGY	7,295	2,253	5,042	6,815	480	4,887	2,408
BIOMETRY/EPIDEMIOLOGY	636	204	432	553	83	405	231
BIOPHYSICS	620	126	494	524	96	492	128
BOTANY	2,602	735	1,867	2,296	306	1,809	793
CELL BIOLOGY	584	154	430	529	55	388	196
ECOLOGY	849	200	649	800	49	623	226
ENTOMOLOGY/PARASITOLOGY	1,313	372	941	1,081	232	1,084	229
GENETICS	892	238	654	788	104	516	376
MICROBIOLOGY	3,434	962	2,472	3,166	268	2,199	1,235
NUTRITION	2,302	834	1,468	1,708	594	1,085	1,217
PATHOLOGY	910	253	657	788	122	609	301
PHARMACOLOGY	1,573	399	1,174	1,422	151	1,149	424
PHYSIOLOGY	1,977	543	1,434	1,855	122	1,485	492
ZOOLOGY	2,555	683	1,872	2,436	119	1,799	756
BIOSCIENCES, NEC.	806	276	530	742	64	515	291
HEALTH SCIENCES	10,570	4,967	5,603	9,566	1,004	4,700	5,870
ANESTHESIOLOGY	0	0	0	0	0	0	0
CARDIOLOGY	3	1	2	3	0	2	1
CLINICAL PHARMACOLOGY	5	4	1	5	0	4	1
DENTISTRY	318	127	191	289	29	246	72
ENDOCRINOLOGY	35	10	25	32	3	23	12
GASTROENTEROLOGY	8	4	4	8	0	8	0
HEMATOLOGY	5	0	5	5	0	2	3
NEUROLOGY	336	79	257	312	24	238	98
NURSING	2,189	1,261	928	2,096	93	99	2,090
OBSTETRICS/GYNECOLOGY	29	15	14	24	5	19	10
OPHTHALMOLOGY	7	0	7	7	0	3	4
OTORHINOLARYNGOLOGY	53	18	35	49	4	32	21
PEDIATRICS	72	48	24	61	11	24	48
PHARMACEUTICAL SCIENCES	1,353	445	908	981	372	1,039	314
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,522	1,406	1,116	2,330	192	1,327	1,195
PSYCHIATRY	163	29	134	158	5	101	62
PULMONARY DISEASE	17	9	8	17	0	17	0
RADIOLOGY	188	65	123	164	24	157	31
SPEECH PATHOLOGY/AUDIOLOGY	1,963	952	1,011	1,918	45	464	1,499
SURGERY	72	15	57	65	7	58	14
VETERINARY SCIENCES	556	189	367	424	132	419	137
CLINICAL MEDICINE, NEC.	260	110	150	223	37	199	61
HEALTH RELATED, NEC.	416	180	236	395	21	219	197
PSYCHOLOGY	19,560	5,120	14,440	18,978	582	10,697	8,863
SOCIAL SCIENCES	38,806	12,349	25,457	32,674	6,132	24,669	14,137
AGRICULTURAL ECONOMICS	1,793	653	1,140	1,190	603	1,569	224
ANTHROPOLOGY	4,326	1,074	3,252	4,055	271	2,166	2,160
ECONOMICS (EXCEPT AGRICULTURAL)	7,004	2,333	4,671	4,552	2,452	5,787	1,217
GEOGRAPHY	1,600	522	1,078	1,383	217	1,147	453
HISTORY AND PHILOSOPHY OF SCIENCE	257	60	197	232	25	183	74
LINGUISTICS	2,733	1,016	1,717	2,279	454	1,271	1,462
POLITICAL SCIENCE	9,240	3,507	5,733	8,062	1,178	6,814	2,426
SOCIOLOGY	6,349	1,851	4,498	5,602	747	3,636	2,713
SOCIOLOGY/ANTHROPOLOGY	575	195	380	498	77	354	221
SOCIAL SCIENCES, NEC.	4,929	2,138	2,791	4,821	108	1,742	3,187

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-6. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS AT PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE, LEVEL OF STUDY, CITIZENSHIP, AND SEX: 1977

FIELD OF SCIENCE	TOTAL	LEVEL OF STUDY		CITIZENSHIP		SEX	
		FIRST YEAR	BEYOND FIRST YEAR	U.S. CITIZENS	FOREIGN STUDENTS	MEN	WOMEN
TOTAL, ALL FIELDS	131,221	44,474	86,747	108,097	23,124	97,136	34,085
ENGINEERING	23,394	9,818	13,576	14,920	8,474	21,847	1,547
AERONAUTICAL	811	292	519	507	304	797	14
AGRICULTURAL	598	209	389	288	310	560	38
BIOMEDICAL	371	121	250	312	59	327	44
CHEMICAL	2,556	1,045	1,511	1,552	1,004	2,322	234
CIVIL	4,290	2,151	2,139	2,874	1,416	4,024	266
ELECTRICAL	5,287	2,255	3,032	3,328	1,959	5,071	216
ENGINEERING SCIENCE	968	298	670	621	347	930	38
INDUSTRIAL	2,030	856	1,174	1,304	726	1,795	235
MECHANICAL	2,855	1,260	1,595	1,788	1,067	2,783	72
METALLURGICAL/MATERIALS	1,173	325	848	704	469	1,079	94
MINING	226	68	158	138	88	217	9
NUCLEAR	857	280	577	565	292	818	39
PETROLEUM	245	104	141	99	146	236	9
ENGINEERING, NEC.	1,127	554	573	840	287	888	239
PHYSICAL SCIENCES	14,526	4,066	10,460	11,593	2,933	12,586	1,940
ASTRONOMY	307	81	226	284	23	272	35
CHEMISTRY	8,744	2,559	6,185	7,100	1,644	7,254	1,490
PHYSICS	5,473	1,426	4,047	4,207	1,266	5,060	413
PHYSICAL SCIENCES, NEC.	2	0	2	2	0	0	2
ENVIRONMENTAL SCIENCES	6,334	2,026	4,308	5,639	695	5,283	1,051
ATMOSPHERIC SCIENCES	796	269	527	688	108	728	68
GEOSCIENCES	4,001	1,323	2,678	3,570	431	3,331	670
OCEANOGRAPHY	1,300	331	969	1,159	141	1,057	243
ENVIRONMENTAL SCIENCES, NEC.	237	103	134	222	15	167	70
MATHEMATICAL SCIENCES	8,875	3,061	5,814	6,809	2,066	7,120	1,755
COMPUTER SCIENCE	2,648	1,034	1,614	2,024	624	2,235	413
MATHEMATICS AND APPLIED MATHEMATICS	5,023	1,648	3,375	4,032	991	3,949	1,074
STATISTICS	1,204	379	825	753	451	936	268
LIFE SCIENCES	41,130	13,953	27,177	36,107	5,023	27,683	13,447
AGRICULTURAL SCIENCES	8,629	3,239	5,390	6,868	1,761	7,096	1,533
BIOLOGICAL SCIENCES	24,559	7,054	17,505	22,074	2,485	16,882	7,677
ANATOMY	695	172	523	662	33	477	218
BIOCHEMISTRY	2,478	639	1,839	2,166	312	1,800	678
BIOLOGY	4,750	1,527	3,223	4,458	292	3,271	1,479
BIOMETRY/EPIDEMIOLOGY	475	142	333	419	56	313	162
BIOPHYSICS	312	64	248	259	53	250	62
BOTANY	2,446	690	1,756	2,153	293	1,711	735
CELL BIOLOGY	381	98	283	351	30	244	137
ECOLOGY	765	180	585	732	33	571	194
ENTOMOLOGY/PARASITOLOGY	1,256	353	903	1,033	223	1,041	215
GENETICS	680	198	482	598	82	407	273
MICROBIOLOGY	2,601	728	1,873	2,390	211	1,689	912
NUTRITION	1,759	654	1,105	1,306	453	803	956
PATHOLOGY	582	167	415	508	74	396	186
PHARMACOLOGY	1,032	266	766	925	107	777	255
PHYSIOLOGY	1,438	382	1,056	1,349	89	1,079	359
ZOOLOGY	2,395	643	1,752	2,307	88	1,694	701
BIOSCIENCES, NEC.	514	151	363	458	56	359	155
HEALTH SCIENCES	7,942	3,660	4,282	7,165	777	3,705	4,237
ANESTHESIOLOGY	0	0	0	0	0	0	0
CARDIOLOGY	2	1	1	2	0	2	0
CLINICAL PHARMACOLOGY	5	4	1	5	0	4	1
DENTISTRY	85	22	63	68	17	64	21
ENDOCRINOLOGY	35	10	25	32	3	23	12
GASTROENTEROLOGY	8	4	4	8	0	8	0
HEMATOLOGY	1	0	1	1	0	0	1
NEUROLOGY	185	42	143	174	11	127	58
NURSING	1,383	760	623	1,352	31	77	1,306
OBSTETRICS/GYNECOLOGY	17	8	9	12	5	8	9
OPHTHALMOLOGY	6	0	6	6	0	2	4
OTORHINOLARYNGOLOGY	31	7	24	27	4	26	5
PEDIATRICS	43	30	13	40	3	18	25
PHARMACEUTICAL SCIENCES	1,207	379	828	869	338	938	269
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,942	1,101	841	1,785	157	1,058	884
PSYCHIATRY	103	23	80	98	5	68	35
PULMONARY DISEASE	5	2	3	5	0	5	0
RADIOLOGY	178	61	117	159	19	148	30
SPEECH PATHOLOGY/AUDIOLOGY	1,699	818	881	1,661	38	417	1,282
SURGERY	59	12	47	52	7	48	11
VETERINARY SCIENCES	497	172	325	393	104	369	128
CLINICAL MEDICINE, NEC.	187	75	112	160	27	142	45
HEALTH RELATED, NEC.	264	129	135	256	8	153	111
PSYCHOLOGY	12,155	3,098	9,057	11,843	312	6,747	5,408
SOCIAL SCIENCES	24,807	8,452	16,355	21,186	3,621	15,870	8,937
AGRICULTURAL ECONOMICS	1,716	633	1,083	1,141	575	1,505	211
ANTHROPOLOGY	3,077	763	2,314	2,906	171	1,582	1,495
ECONOMICS (EXCEPT AGRICULTURAL)	4,281	1,410	2,871	3,001	1,280	3,584	697
GEOGRAPHY	1,396	463	933	1,206	190	1,010	386
HISTORY AND PHILOSOPHY OF SCIENCE	135	35	100	120	15	99	36
LINGUISTICS	2,024	768	1,256	1,702	322	898	1,126
POLITICAL SCIENCE	4,783	1,723	3,060	4,228	555	3,548	1,235
SOCIOLOGY	4,137	1,181	2,956	3,714	423	2,402	1,735
SOCIOLOGY/ANTHROPOLOGY	356	119	237	313	43	222	134
SOCIAL SCIENCES, NEC.	2,902	1,357	1,545	2,855	47	1,020	1,882

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-7. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS AT PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE, LEVEL OF STUDY, CITIZENSHIP, AND SEX: 1977

FIELD OF SCIENCE	TOTAL	LEVEL OF STUDY		CITIZENSHIP		SEX	
		FIRST YEAR	BEYOND FIRST YEAR	U.S. CITIZENS	FOREIGN STUDENTS	MEN	WOMEN
TOTAL, ALL FIELDS	54,391	18,264	36,127	43,859	10,532	38,619	15,772
ENGINEERING	10,915	4,552	6,363	6,740	4,175	10,157	758
AERONAUTICAL	499	161	338	271	228	482	17
AGRICULTURAL	36	12	24	24	12	35	1
BIOMEDICAL	317	109	208	275	42	286	31
CHEMICAL	1,232	552	680	745	487	1,129	103
CIVIL	1,556	765	791	944	612	1,439	117
ELECTRICAL	2,617	1,079	1,538	1,687	930	2,476	141
ENGINEERING SCIENCE	362	100	262	231	131	329	33
INDUSTRIAL	1,260	633	627	707	553	1,089	171
MECHANICAL	1,322	591	731	810	512	1,285	37
METALLURGICAL/MATERIALS	737	244	493	448	289	690	47
MINING	81	21	60	42	39	72	9
NUCLEAR	254	85	169	175	79	248	6
PETROLEUM	118	42	76	27	91	114	4
ENGINEERING, NEC.	524	158	366	354	170	483	41
PHYSICAL SCIENCES	6,417	1,695	4,722	4,941	1,476	5,491	926
ASTRONOMY	177	36	141	140	37	156	21
CHEMISTRY	3,307	947	2,360	2,573	734	2,623	684
PHYSICS	2,933	712	2,221	2,228	705	2,712	221
PHYSICAL SCIENCES, NEC.	0	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES	1,667	470	1,197	1,377	290	1,408	259
ATMOSPHERIC SCIENCES	60	19	41	41	19	55	5
GEOSCIENCES	1,266	365	901	1,098	168	1,048	218
OCEANOGRAPHY	335	85	250	234	101	299	36
ENVIRONMENTAL SCIENCES, NEC.	6	1	5	4	2	6	0
MATHEMATICAL SCIENCES	2,718	894	1,824	2,046	672	2,212	506
COMPUTER SCIENCE	616	217	399	487	129	545	71
MATHEMATICS AND APPLIED MATHEMATICS	1,867	601	1,266	1,398	469	1,494	373
STATISTICS	235	76	159	161	74	173	62
LIFE SCIENCES	11,270	3,734	7,536	10,132	1,138	6,602	4,668
AGRICULTURAL SCIENCES	297	86	211	216	81	233	64
BIOLOGICAL SCIENCES	8,345	2,341	6,004	7,515	830	5,374	2,971
ANATOMY	348	96	252	331	17	220	128
BIOCHEMISTRY	1,035	256	779	927	108	714	321
BIOLOGY	2,545	726	1,819	2,357	188	1,616	929
BIOMETRY/EPIDEMIOLOGY	161	62	99	134	27	92	69
BIOPHYSICS	308	62	246	265	43	242	66
BOTANY	156	45	111	143	13	98	58
CELL BIOLOGY	203	56	147	178	25	144	59
ECOLOGY	84	20	64	68	16	52	32
ENTOMOLOGY/PARASITOLOGY	57	19	38	48	9	43	14
GENETICS	212	40	172	190	22	109	103
MICROBIOLOGY	833	234	599	776	57	510	323
NUTRITION	543	180	363	402	141	282	261
PATHOLOGY	328	86	242	280	48	213	115
PHARMACOLOGY	541	133	408	497	44	372	169
PHYSIOLOGY	539	161	378	506	33	406	133
ZOOLOGY	160	40	120	129	31	105	55
BIOSCIENCES, NEC.	292	125	167	284	8	136	136
HEALTH SCIENCES	2,628	1,307	1,321	2,401	227	995	1,633
ANESTHESIOLOGY	0	0	0	0	0	0	0
CARDIOLOGY	1	0	1	1	0	0	1
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0
DENTISTRY	233	105	128	221	12	182	51
ENDOCRINOLOGY	0	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0	0
HEMATOLOGY	4	0	4	4	0	2	2
NEUROLOGY	151	37	114	138	13	111	40
NURSING	806	501	305	744	62	22	784
OBSTETRICS/GYNECOLOGY	12	7	5	12	0	11	1
OPHTHALMOLOGY	1	0	1	1	0	1	0
OTORHINOLARYNGOLOGY	22	11	11	22	0	6	16
PEDIATRICS	29	18	11	21	8	6	23
PHARMACEUTICAL SCIENCES	146	66	80	112	34	101	45
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	580	305	275	545	35	269	311
PSYCHIATRY	60	6	54	60	0	33	27
PULMONARY DISEASE	12	7	5	12	0	12	0
RADIOLOGY	10	4	6	5	5	9	1
SPEECH PATHOLOGY/AUDIOLOGY	264	134	130	257	7	47	217
SURGERY	13	3	10	13	0	10	3
VETERINARY SCIENCES	59	17	42	31	28	50	9
CLINICAL MEDICINE, NEC.	73	35	38	63	10	57	16
HEALTH RELATED, NEC.	152	51	101	139	13	66	86
PSYCHOLOGY	7,405	2,022	5,383	7,135	270	3,950	3,455
SOCIAL SCIENCES	13,999	4,897	9,102	11,488	2,511	8,799	5,200
AGRICULTURAL ECONOMICS	77	20	57	49	28	64	13
ANTHROPOLOGY	1,249	311	938	1,149	100	584	665
ECONOMICS (EXCEPT AGRICULTURAL)	2,723	923	1,800	1,551	1,172	2,203	520
GEOGRAPHY	204	59	145	177	27	137	67
HISTORY AND PHILOSOPHY OF SCIENCE	122	25	97	112	10	84	38
LINGUISTICS	709	248	461	577	132	373	336
POLITICAL SCIENCE	4,457	1,784	2,673	3,834	623	3,266	1,191
SOCIOLOGY	2,212	670	1,542	1,888	324	1,234	978
SOCIOLOGY/ANTHROPOLOGY	219	76	143	185	34	132	87
SOCIAL SCIENCES, NEC.	2,027	781	1,246	1,966	61	722	1,305

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-8. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE, SEX, AND LEVEL OF STUDY: 1977

FIELD OF SCIENCE	TOTAL			MEN			WOMEN		
	TOTAL	FIRST YEAR	BEYOND FIRST YEAR	TOTAL	FIRST YEAR	BEYOND FIRST YEAR	TOTAL	FIRST YEAR	BEYOND FIRST YEAR
TOTAL, ALL FIELDS	185,612	62,738	122,874	135,755	44,580	91,175	49,857	18,158	31,699
ENGINEERING	34,309	14,370	19,939	32,004	13,242	18,762	2,305	1,128	1,177
AERONAUTICAL	1,310	453	857	1,279	436	843	31	17	14
AGRICULTURAL	634	221	413	595	203	392	39	18	21
BIOMEDICAL	688	230	458	613	196	417	75	34	41
CHEMICAL	3,788	1,597	2,191	3,451	1,427	2,024	337	170	167
CIVIL	5,846	2,916	2,930	5,463	2,706	2,757	383	210	173
ELECTRICAL	7,904	3,334	4,570	7,547	3,159	4,388	357	175	182
ENGINEERING SCIENCE	1,330	398	932	1,259	370	889	71	28	43
INDUSTRIAL	3,290	1,489	1,801	2,884	1,294	1,590	406	195	211
MECHANICAL	4,177	1,851	2,326	4,068	1,795	2,273	109	56	53
METALLURGICAL/MATERIALS	1,910	569	1,341	1,769	507	1,262	141	62	79
MINING	307	89	218	289	81	208	18	8	10
NUCLEAR	1,111	365	746	1,066	348	718	45	17	28
PETROLEUM	363	146	217	350	138	212	13	8	5
ENGINEERING, NEC.	1,651	712	939	1,371	582	789	280	130	150
PHYSICAL SCIENCES	20,943	5,761	15,182	18,077	4,835	13,244	2,866	928	1,938
ASTRONOMY	484	117	367	428	99	329	56	18	38
CHEMISTRY	12,051	3,506	8,545	9,877	2,777	7,100	2,174	729	1,445
PHYSICS	8,406	2,138	6,268	7,772	1,957	5,815	634	181	453
PHYSICAL SCIENCES, NEC.	2	0	2	0	0	0	2	0	2
ENVIRONMENTAL SCIENCES	8,001	2,496	5,505	6,691	2,014	4,677	1,310	482	828
ATMOSPHERIC SCIENCES	856	288	568	783	261	522	73	27	46
GEOSCIENCES	5,267	1,688	3,579	4,379	1,356	3,023	888	332	556
OCEANOGRAPHY	1,635	416	1,219	1,356	333	1,023	279	83	196
ENVIRONMENTAL SCIENCES, NEC.	243	104	139	173	64	109	70	40	30
MATHEMATICAL SCIENCES	11,593	3,955	7,638	9,332	3,111	6,221	2,261	844	1,417
COMPUTER SCIENCE	3,264	1,251	2,013	2,780	1,055	1,725	484	196	288
MATHEMATICS AND APPLIED MATHEMATICS	6,890	2,249	4,641	5,443	1,717	3,726	1,447	532	915
STATISTICS	1,439	455	984	1,109	339	770	330	116	214
LIFE SCIENCES	52,400	17,687	34,713	34,285	10,498	23,787	18,115	7,189	10,926
AGRICULTURAL SCIENCES	8,926	3,325	5,601	7,329	2,647	4,682	1,597	678	919
BIOLOGICAL SCIENCES	32,904	9,395	23,509	22,256	6,016	16,240	10,648	3,379	7,269
ANATOMY	1,043	268	775	697	179	518	346	89	257
BIOCHEMISTRY	3,513	895	2,618	2,514	644	1,870	999	251	748
BIOLOGY	7,295	2,253	5,042	4,887	1,440	3,447	2,408	813	1,595
BIOMETRY/EPIDEMIOLOGY	636	204	432	405	135	270	231	69	162
BIOPHYSICS	620	126	494	492	98	394	128	28	100
BOTANY	2,602	735	1,867	1,809	478	1,331	793	257	536
CELL BIOLOGY	584	154	430	388	96	292	196	58	138
ECOLOGY	849	200	649	623	133	490	226	67	159
ENTOMOLOGY/PARASITOLOGY	1,313	372	941	1,084	286	798	229	86	143
GENETICS	892	238	654	516	134	382	376	104	272
MICROBIOLOGY	3,434	962	2,472	2,199	577	1,622	1,235	385	850
NUTRITION	2,302	834	1,468	1,085	349	736	1,217	485	732
PATHOLOGY	910	253	657	609	168	441	301	85	216
PHARMACOLOGY	1,573	399	1,174	1,149	280	869	424	119	305
PHYSIOLOGY	1,977	543	1,434	1,485	397	1,088	492	146	346
ZOOLOGY	2,555	683	1,872	1,799	453	1,346	756	230	526
BIOSCIENCES, NEC.	806	276	530	515	169	346	291	107	184
HEALTH SCIENCES	10,570	4,967	5,603	4,700	1,835	2,865	5,870	3,132	2,738
ANESTHESIOLOGY	0	0	0	0	0	0	0	0	0
CARDIOLOGY	3	1	2	2	1	1	1	0	1
CLINICAL PHARMACOLOGY	5	4	1	4	4	0	1	0	1
DENTISTRY	318	127	191	246	101	145	72	26	46
ENDOCRINOLOGY	35	10	25	23	5	18	12	5	7
GASTROENTEROLOGY	8	4	4	8	4	4	0	0	0
HEMATOLOGY	5	0	5	2	0	2	3	0	3
NEUROLOGY	336	79	257	238	48	190	98	31	67
NURSING	2,189	1,261	928	99	65	34	2,090	1,196	894
OBSTETRICS/GYNECOLOGY	29	15	14	19	10	9	10	5	5
OPHTHALMOLOGY	7	0	7	3	0	3	4	0	4
OTORHINOLARYNGOLOGY	53	18	35	32	7	25	21	11	10
PEDIATRICS	72	48	24	24	12	12	48	36	12
PHARMACEUTICAL SCIENCES	1,353	445	908	1,039	319	720	314	126	188
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,522	1,406	1,116	1,327	738	589	1,195	668	527
PSYCHIATRY	163	29	134	101	21	80	62	8	54
PULMONARY DISEASE	17	9	8	17	9	8	0	0	0
RADIOLOGY	188	65	123	157	54	103	31	11	20
SPEECH PATHOLOGY/AUDIOLOGY ..	1,963	952	1,011	464	120	344	1,499	832	667
SURGERY	72	15	57	58	12	46	14	3	11
VETERINARY SCIENCES	556	189	367	419	129	290	137	60	77
CLINICAL MEDICINE, NEC.	260	110	150	199	82	117	61	28	33
HEALTH RELATED, NEC.	416	180	236	219	94	125	197	86	111
PSYCHOLOGY	19,560	5,120	14,440	10,697	2,699	7,998	8,863	2,421	6,442
SOCIAL SCIENCES	38,806	13,349	25,457	24,669	8,183	16,486	14,137	5,166	8,971
AGRICULTURAL ECONOMICS	1,793	653	1,140	1,569	558	1,011	224	95	129
ANTHROPOLOGY	4,326	1,074	3,252	2,166	518	1,648	2,160	556	1,604
ECONOMICS (EXCEPT AGRICULTURAL)	7,004	2,333	4,671	5,787	1,875	3,912	1,217	458	759
GEOGRAPHY	1,600	522	1,078	1,147	374	773	453	148	305
HISTORY AND PHILOSOPHY OF SCIENCE	257	60	197	183	42	141	74	18	56
LINGUISTICS	2,733	1,016	1,717	1,271	461	810	1,462	555	907
POLITICAL SCIENCE	9,240	3,507	5,733	6,814	2,523	4,291	2,426	984	1,442
SOCIOLOGY	6,349	1,851	4,498	3,636	1,032	2,604	2,713	819	1,894
SOCIOLOGY/ANTHROPOLOGY	575	195	380	354	108	246	221	87	134
SOCIAL SCIENCES, NEC.	4,929	2,138	2,791	1,742	692	1,050	3,187	1,446	1,741

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-9. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY SEX, SOURCE OF MAJOR SUPPORT, AND AREA OF SCIENCE: 1977

SOURCE OF MAJOR SUPPORT AND SEX	TOTAL	ENGINEERING	PHYSICAL SCIENCES	ENVIRONMENTAL SCIENCES	MATHEMATICAL SCIENCES	LIFE SCIENCES	PSYCHOLOGY	SOCIAL SCIENCES
TOTAL:								
TOTAL, ALL SOURCES OF SUPPORT ..	185,612	34,309	20,943	8,001	11,593	52,400	19,560	38,806
FEDERAL, TOTAL	44,044	9,994	6,556	2,821	1,128	15,436	3,778	4,331
DEPARTMENT OF DEFENSE	4,413	2,581	635	371	305	241	142	138
DEPARTMENT OF HEW, TOTAL	17,392	918	1,314	178	136	10,475	2,713	1,658
NATIONAL INST OF HEALTH	10,816	542	1,203	52	116	7,257	1,197	449
OTHER HEW	6,576	376	111	126	20	3,218	1,516	1,209
NATIONAL SCIENCE FOUNDATION ..	8,889	2,494	2,723	1,164	491	1,264	218	535
ALL OTHER FEDERAL	13,350	4,001	1,884	1,108	196	3,456	705	2,000
INSTITUTIONAL SUPPORT	71,072	9,684	11,636	2,805	7,076	18,945	6,780	14,146
OTHER OUTSIDE SUPPORT, TOTAL ...	16,754	4,944	1,321	614	670	4,869	1,281	3,055
ALL OTHER U.S. SOURCES	10,454	3,139	931	317	360	2,844	1,176	1,687
FOREIGN SOURCES	6,300	1,805	390	297	310	2,025	105	1,368
SELF-SUPPORT	53,742	9,687	1,430	1,761	2,719	13,150	7,721	17,274
MEN:								
TOTAL, ALL SOURCES OF SUPPORT ..	135,755	32,004	18,077	6,691	9,332	34,285	10,697	24,669
FEDERAL, TOTAL	33,133	9,451	5,826	2,418	1,011	9,545	2,085	2,797
DEPARTMENT OF DEFENSE	4,128	2,511	583	343	279	180	118	114
DEPARTMENT OF HEW, TOTAL	10,227	837	1,077	148	115	5,891	1,396	763
NATIONAL INST OF HEALTH	7,445	499	978	42	96	4,989	617	224
OTHER HEW	2,782	338	99	106	19	902	779	539
NATIONAL SCIENCE FOUNDATION ..	7,676	2,369	2,451	988	444	887	143	394
ALL OTHER FEDERAL	11,102	3,734	1,715	939	173	2,587	428	1,526
INSTITUTIONAL SUPPORT	52,677	8,967	9,863	2,244	5,567	12,982	3,781	9,273
OTHER OUTSIDE SUPPORT, TOTAL ...	13,729	4,661	1,160	540	565	3,788	713	2,302
ALL OTHER U.S. SOURCES	8,166	2,916	814	264	293	2,095	648	1,136
FOREIGN SOURCES	5,563	1,745	346	276	272	1,693	65	1,166
SELF-SUPPORT	36,216	8,925	1,228	1,489	2,189	7,970	4,118	10,297
WOMEN:								
TOTAL, ALL SOURCES OF SUPPORT ..	49,857	2,305	2,866	1,310	2,261	18,115	8,863	14,137
FEDERAL, TOTAL	10,911	543	730	403	117	5,891	1,693	1,534
DEPARTMENT OF DEFENSE	285	70	52	28	26	61	24	24
DEPARTMENT OF HEW, TOTAL	7,165	81	237	30	21	4,584	1,317	895
NATIONAL INST OF HEALTH	3,371	43	225	10	20	2,268	580	225
OTHER HEW	3,794	38	12	20	1	2,316	737	670
NATIONAL SCIENCE FOUNDATION ..	1,213	125	272	176	47	377	75	141
ALL OTHER FEDERAL	2,248	267	169	169	23	869	277	474
INSTITUTIONAL SUPPORT	18,395	717	1,773	561	1,509	5,963	2,999	4,873
OTHER OUTSIDE SUPPORT, TOTAL ...	3,025	283	161	74	105	1,081	568	753
ALL OTHER U.S. SOURCES	2,288	223	117	53	67	749	528	551
FOREIGN SOURCES	737	60	44	21	38	332	40	202
SELF-SUPPORT	17,526	762	202	272	530	5,180	3,603	6,977

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-10. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY LEVEL OF STUDY AND SOURCE AND TYPE OF MAJOR SUPPORT: 1977

SOURCE OF MAJOR SUPPORT AND LEVEL OF STUDY	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL:					
TOTAL, ALL SOURCES OF SUPPORT ..	185,612	33,681	41,039	43,291	67,601
FEDERAL, TOTAL	44,044	15,816	24,174	465	3,589
DEPARTMENT OF DEFENSE	4,413	372	2,597	0	1,444
DEPARTMENT OF HEW, TOTAL	17,392	11,677	5,079	235	401
NATIONAL INST OF HEALTH	10,816	6,206	4,250	127	233
OTHER HEW	6,576	5,471	829	108	168
NATIONAL SCIENCE FOUNDATION ..	8,889	1,799	6,920	34	136
ALL OTHER FEDERAL	13,350	1,968	9,578	196	1,608
INSTITUTIONAL SUPPORT	71,072	10,736	12,535	42,564	5,237
OTHER OUTSIDE SUPPORT, TOTAL ...	16,754	7,129	4,330	262	5,033
ALL OTHER U.S. SOURCES	10,454	3,666	4,016	262	2,510
FOREIGN SOURCES	6,300	3,463	314	0	2,523
SELF-SUPPORT	53,742	0	0	0	53,742
FIRST YEAR:					
TOTAL, ALL SOURCES OF SUPPORT ..	62,738	11,734	9,752	14,244	27,008
FEDERAL, TOTAL	11,334	5,096	4,552	116	1,570
DEPARTMENT OF DEFENSE	1,405	154	546	0	705
DEPARTMENT OF HEW, TOTAL	4,625	3,765	685	58	117
NATIONAL INST OF HEALTH	1,924	1,325	520	22	57
OTHER HEW	2,701	2,440	165	36	60
NATIONAL SCIENCE FOUNDATION ..	1,613	497	1,084	14	18
ALL OTHER FEDERAL	3,691	680	2,237	44	730
INSTITUTIONAL SUPPORT	24,099	4,286	4,058	14,032	1,723
OTHER OUTSIDE SUPPORT, TOTAL ...	5,420	2,352	1,142	96	1,830
ALL OTHER U.S. SOURCES	2,959	1,027	1,046	96	790
FOREIGN SOURCES	2,461	1,325	96	0	1,040
SELF-SUPPORT	21,885	0	0	0	21,885
BEYOND FIRST YEAR:					
TOTAL, ALL SOURCES OF SUPPORT ..	122,874	21,947	31,287	29,047	40,593
FEDERAL, TOTAL	32,710	10,720	19,622	349	2,019
DEPARTMENT OF DEFENSE	3,008	218	2,051	0	739
DEPARTMENT OF HEW, TOTAL	12,767	7,912	4,394	177	284
NATIONAL INST OF HEALTH	8,892	4,881	3,730	105	176
OTHER HEW	3,875	3,031	664	72	108
NATIONAL SCIENCE FOUNDATION ..	7,276	1,302	5,836	20	118
ALL OTHER FEDERAL	9,659	1,288	7,341	152	878
INSTITUTIONAL SUPPORT	46,973	6,450	8,477	28,532	3,514
OTHER OUTSIDE SUPPORT, TOTAL ...	11,334	4,777	3,188	166	3,203
ALL OTHER U.S. SOURCES	7,495	2,639	2,970	166	1,720
FOREIGN SOURCES	3,839	2,138	218	0	1,483
SELF-SUPPORT	31,857	0	0	0	31,857

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-11. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1977

FIELD OF SCIENCE	TOTAL	FELLOWSHIPS AND TRAINEESHIPS		RESEARCH ASSISTANTSHIPS		TEACHING ASSISTANTSHIPS		OTHER TYPES OF SUPPORT	
		NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS	185,612	33,681	18.1	41,039	22.1	43,291	23.3	67,601	36.4
ENGINEERING	34,309	4,383	12.8	11,413	33.3	5,208	15.2	13,305	38.8
AERONAUTICAL	1,310	144	11.0	560	42.7	162	12.4	444	33.9
AGRICULTURAL	634	90	14.2	301	47.5	35	5.5	208	32.8
BIOMEDICAL	688	134	19.5	164	23.8	65	9.4	325	47.2
CHEMICAL	3,788	775	20.5	1,407	37.1	665	17.6	941	24.8
CIVIL	5,846	720	12.3	1,862	31.9	803	13.7	2,461	42.1
ELECTRICAL	7,904	767	9.7	2,340	29.6	1,454	18.4	3,343	42.3
ENGINEERING SCIENCE	1,330	153	11.5	506	38.0	275	20.7	396	29.8
INDUSTRIAL	3,290	321	9.8	543	16.5	478	14.5	1,948	59.2
MECHANICAL	4,177	411	9.8	1,487	35.6	777	18.6	1,502	36.0
METALLURGICAL/MATERIALS	1,910	255	13.4	1,130	59.2	206	10.8	319	16.7
MINING	307	131	42.7	112	36.5	26	8.5	38	12.4
NUCLEAR	1,111	201	18.1	481	43.3	103	9.3	326	29.3
PETROLEUM	363	123	33.9	128	35.3	26	7.2	86	23.7
ENGINEERING, NEC.	1,651	158	9.6	392	23.7	133	8.1	968	58.6
PHYSICAL SCIENCES	20,943	2,479	11.8	6,683	31.9	9,641	46.0	2,140	10.2
ASTRONOMY	484	94	19.4	196	40.5	136	28.1	58	12.0
CHEMISTRY	12,051	1,398	11.6	3,499	29.0	6,199	51.4	955	7.9
PHYSICS	8,406	987	11.7	2,988	35.5	3,306	39.3	1,125	13.4
PHYSICAL SCIENCES, NEC.	2	0	.0	0	.0	0	.0	2	100.0
ENVIRONMENTAL SCIENCES	8,001	1,051	13.1	2,951	36.9	1,664	20.8	2,335	29.2
ATMOSPHERIC SCIENCES	856	58	6.8	481	56.2	82	9.6	235	27.5
GEOSCIENCES	5,267	855	16.2	1,518	28.8	1,380	26.2	1,514	28.7
OCEANOGRAPHY	1,635	120	7.3	855	52.3	144	8.8	516	31.6
ENVIRONMENTAL SCIENCES, NEC.	243	18	7.4	97	39.9	58	23.9	70	28.8
MATHEMATICAL SCIENCES	11,593	1,195	10.3	1,332	11.5	5,588	48.2	3,478	30.0
COMPUTER SCIENCE	3,264	260	8.0	685	21.0	759	23.3	1,560	47.8
MATHEMATICS AND APPLIED MATHEMATICS	6,890	794	11.5	356	5.2	4,308	62.5	1,432	20.8
STATISTICS	1,439	141	9.8	291	20.2	521	36.2	486	33.8
LIFE SCIENCES	52,400	13,142	25.1	12,293	23.5	10,192	19.5	16,773	32.0
AGRICULTURAL SCIENCES	8,926	779	8.7	4,018	45.0	836	9.4	3,293	36.9
BIOLOGICAL SCIENCES	32,904	8,124	24.7	7,380	22.4	8,291	25.2	9,109	27.7
ANATOMY	1,043	303	29.1	95	9.1	313	30.0	332	31.8
BIOCHEMISTRY	3,513	1,158	33.0	1,225	34.9	614	17.5	516	14.7
BIOLOGY	7,295	1,515	20.8	870	11.9	2,747	37.7	2,163	29.7
BIOMETRY/EPIDEMIOLOGY	636	285	44.8	83	13.1	38	6.0	230	36.2
BIOPHYSICS	620	306	49.4	173	27.9	36	5.8	105	16.9
BOTANY	2,602	218	8.4	883	33.9	792	30.4	709	27.2
CELL BIOLOGY	584	327	56.0	122	20.9	92	15.8	43	7.4
ECOLOGY	849	103	12.1	219	25.8	231	27.2	296	34.9
ENTOMOLOGY/PARASITOLOGY	1,313	86	6.5	647	49.3	140	10.7	440	33.5
GENETICS	892	419	47.0	159	17.8	133	14.9	181	20.3
MICROBIOLOGY	3,434	986	28.7	699	20.4	900	26.2	849	24.7
NUTRITION	2,302	351	15.2	894	38.8	215	9.3	842	36.6
PATHOLOGY	910	336	36.9	97	10.7	53	5.8	424	46.6
PHARMACOLOGY	1,573	723	46.0	285	18.1	193	12.3	372	23.6
PHYSIOLOGY	1,977	607	30.7	424	21.4	379	19.2	567	28.7
ZOOLOGY	2,555	216	8.5	436	17.1	1,248	48.8	655	25.6
BIOSCIENCES, NEC.	806	185	23.0	69	8.6	167	20.7	385	47.8
HEALTH SCIENCES	10,570	4,239	40.1	895	8.5	1,065	10.1	4,371	41.4
ANESTHESIOLOGY	0	0	.0	0	.0	0	.0	0	.0
CARDIOLOGY	3	3	100.0	0	.0	0	.0	0	.0
CLINICAL PHARMACOLOGY	5	5	100.0	0	.0	0	.0	0	.0
DENTISTRY	318	30	9.4	11	3.5	21	6.6	256	80.5
ENDOCRINOLOGY	35	11	31.4	3	8.6	5	14.3	16	45.7
GASTROENTEROLOGY	8	8	100.0	0	.0	0	.0	0	.0
HEMATOLOGY	5	1	20.0	4	80.0	0	.0	0	.0
NEUROLOGY	336	202	60.1	47	14.0	21	6.3	66	19.6
NURSING	2,189	1,459	66.7	8	.4	45	2.1	677	30.9
OBSTETRICS/GYNECOLOGY	29	20	69.0	7	24.1	0	.0	2	6.9
OPHTHALMOLOGY	7	6	85.7	1	14.3	0	.0	0	.0
OTORHINOLARYNGOLOGY	53	24	45.3	6	11.3	3	5.7	20	37.7
PEDIATRICS	72	57	79.2	2	2.8	0	.0	13	18.1
PHARMACEUTICAL SCIENCES	1,353	210	15.5	244	18.0	534	39.5	365	27.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,522	1,151	45.6	81	3.2	31	1.2	1,259	49.9
PSYCHIATRY	163	78	47.9	17	10.4	7	4.3	61	37.4
PULMONARY DISEASE	17	13	76.5	1	5.9	2	11.8	1	5.9
RADIOLOGY	188	44	23.4	52	27.7	8	4.3	84	44.7
SPEECH PATHOLOGY/AUDIOLOGY	1,963	447	22.8	127	6.5	239	12.2	1,150	58.6
SURGERY	72	45	62.5	9	12.5	4	5.6	14	19.4
VETERINARY SCIENCES	556	77	13.8	231	41.5	108	19.4	140	25.2
CLINICAL MEDICINE, NEC.	260	163	62.7	19	7.3	26	10.0	52	20.0
HEALTH RELATED, NEC.	416	185	44.5	25	6.0	11	2.6	195	46.9
PSYCHOLOGY	19,560	4,053	20.7	2,168	11.1	3,828	19.6	9,511	48.6
SOCIAL SCIENCES	38,806	7,378	19.0	4,199	10.8	7,170	18.5	20,059	51.7
AGRICULTURAL ECONOMICS	1,793	308	17.2	817	45.6	83	4.6	585	32.6
ANTHROPOLOGY	4,326	812	18.8	336	7.8	718	16.6	2,460	56.9
ECONOMICS (EXCEPT AGRICULTURAL)	7,004	1,395	19.9	975	13.9	1,912	27.3	2,722	38.9
GEOGRAPHY	1,600	201	12.6	181	11.3	532	33.3	686	42.9
HISTORY AND PHILOSOPHY OF SCIENCE	257	68	26.5	12	4.7	78	30.4	99	38.5
LINGUISTICS	2,733	498	18.2	149	5.5	789	28.9	1,297	47.5
POLITICAL SCIENCE	9,240	1,559	16.9	647	7.0	1,366	14.8	5,668	61.3
SOCIOLOGY	6,349	1,379	21.7	854	13.5	1,385	21.8	2,731	43.0
SOCIOLOGY/ANTHROPOLOGY	575	104	18.1	65	11.3	172	29.9	234	40.7
SOCIAL SCIENCES, NEC.	4,929	1,054	21.4	163	3.3	135	2.7	3,577	72.6

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-12. FULL-TIME GRADUATE STUDENTS SUPPORTED BY FEDERAL SOURCES IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND FEDERAL AGENCY: 1977

FIELD OF SCIENCE	TOTAL	DEPARTMENT OF DEFENSE	HEW			NATIONAL SCIENCE FOUNDATION	OTHER FEDERAL
			TOTAL	NIH	OTHER HEW		
TOTAL, ALL FIELDS	44,044	4,413	17,392	10,816	6,576	8,889	13,350
ENGINEERING	9,994	2,581	918	542	376	2,494	4,001
AERONAUTICAL	661	364	11	7	4	70	216
AGRICULTURAL	117	0	0	0	0	15	102
BIOMEDICAL	205	8	180	178	2	12	5
CHEMICAL	1,150	48	112	65	47	522	468
CIVIL	1,437	162	100	21	79	292	883
ELECTRICAL	2,330	1,080	154	140	14	553	543
ENGINEERING SCIENCE	406	115	45	38	7	119	127
INDUSTRIAL	554	274	30	9	21	82	168
MECHANICAL	1,220	247	82	47	35	324	567
METALLURGICAL/MATERIALS	957	194	87	35	52	323	353
MINING	182	3	85	0	85	50	44
NUCLEAR	318	17	2	2	0	34	265
PETROLEUM	109	10	24	0	24	13	62
ENGINEERING, NEC.	348	59	6	0	6	85	198
PHYSICAL SCIENCES	6,556	635	1,314	1,203	111	2,723	1,884
ASTRONOMY	185	1	0	0	0	118	66
CHEMISTRY	3,282	201	1,233	1,146	87	1,279	569
PHYSICS	3,089	433	81	57	24	1,326	1,249
PHYSICAL SCIENCES, NEC.	0	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES	2,821	371	178	52	126	1,164	1,108
ATMOSPHERIC SCIENCES	580	102	1	1	0	268	209
GEOSCIENCES	1,434	102	136	18	118	632	564
OCEANOGRAPHY	748	163	22	17	5	253	310
ENVIRONMENTAL SCIENCES, NEC.	59	4	19	16	3	11	25
MATHEMATICAL SCIENCES	1,128	305	136	116	20	491	196
COMPUTER SCIENCE	593	215	71	63	8	247	60
MATHEMATICS AND APPLIED MATHEMATICS	355	43	22	15	7	207	83
STATISTICS	180	47	43	38	5	37	53
LIFE SCIENCES	15,436	241	10,475	7,257	3,218	1,264	3,456
AGRICULTURAL SCIENCES	1,688	14	68	53	15	92	1,514
BIOLOGICAL SCIENCES	9,733	154	6,892	6,373	519	1,125	1,562
ANATOMY	255	1	227	206	21	15	12
BIOCHEMISTRY	1,709	11	1,459	1,440	19	144	95
BIOLOGY	1,507	22	968	832	136	278	239
BIOMETRY/EPIDEMIOLOGY	269	5	237	164	73	2	25
BIOPHYSICS	359	2	269	269	0	29	59
BOTANY	424	4	34	31	3	152	234
CELL BIOLOGY	336	1	288	278	10	31	16
ECOLOGY	163	7	37	10	27	70	49
ENTOMOLOGY/PARASITOLOGY	287	3	49	47	2	49	186
GENETICS	414	24	332	318	14	25	33
MICROBIOLOGY	1,186	31	950	912	38	85	120
NUTRITION	558	14	278	169	109	22	244
PATHOLOGY	305	7	260	254	6	5	33
PHARMACOLOGY	715	4	663	621	42	13	35
PHYSIOLOGY	686	15	591	583	8	36	44
ZOOLOGY	385	3	140	129	11	134	108
BIOSCIENCES, NEC.	175	0	110	110	0	35	30
HEALTH SCIENCES	4,015	73	3,515	831	2,684	47	380
ANESTHESIOLOGY	0	0	0	0	0	0	0
CARDIOLOGY	2	0	2	2	0	0	0
CLINICAL PHARMACOLOGY	4	0	4	4	0	0	0
DENTISTRY	25	1	23	22	1	0	1
ENDOCRINOLOGY	13	1	11	11	0	0	1
GASTROENTEROLOGY	6	0	0	0	0	0	6
HEMATOLOGY	0	0	0	0	0	0	0
NEUROLOGY	167	2	136	109	27	26	3
NURSING	1,372	21	1,314	2	1,312	0	17
OBSTETRICS/GYNECOLOGY	17	0	11	11	0	0	6
OPHTHALMOLOGY	6	0	6	6	0	0	0
OTORHINOLARYNGOLOGY	13	0	8	8	0	3	2
PEDIATRICS	41	0	40	3	37	0	1
PHARMACEUTICAL SCIENCES	312	8	279	271	8	7	18
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,050	23	913	117	796	2	112
PSYCHIATRY	59	4	45	40	5	4	6
PULMONARY DISEASE	11	0	5	5	0	0	6
RADIOLOGY	82	2	62	59	3	3	15
SPEECH PATHOLOGY/AUDIOLOGY	463	1	383	42	341	0	79
SURGERY	18	1	16	15	1	1	0
VETERINARY SCIENCES	115	4	60	41	19	1	50
CLINICAL MEDICINE, NEC.	88	5	63	52	11	0	20
HEALTH RELATED, NEC.	151	0	134	11	123	0	17
PSYCHOLOGY	3,778	142	2,713	1,197	1,516	218	705
SOCIAL SCIENCES	4,331	138	1,658	449	1,209	535	2,000
AGRICULTURAL ECONOMICS	423	0	5	0	5	15	403
ANTHROPOLOGY	496	13	219	87	132	109	155
ECONOMICS (EXCEPT AGRICULTURAL)	544	8	56	29	27	167	313
GEOGRAPHY	129	17	12	2	10	23	77
HISTORY AND PHILOSOPHY OF SCIENCE	14	0	1	1	0	13	0
LINGUISTICS	280	15	150	34	116	34	81
POLITICAL SCIENCE	789	61	189	24	165	52	487
SOCIOLOGY	860	15	458	187	271	101	286
SOCIOLOGY/ANTHROPOLOGY	67	1	32	28	4	3	31
SOCIAL SCIENCES, NEC.	729	8	536	57	479	18	167

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-13. FULL-TIME GRADUATE STUDENTS SUPPORTED BY NON-FEDERAL SOURCES IN ALL DOCTORATE DEPARTMENTS BY FIELD OF SCIENCE: 1977

FIELD OF SCIENCE	TOTAL	INSTITUTIONAL SUPPORT	OTHER OUTSIDE SUPPORT			SELF-SUPPORT
			TOTAL	ALL OTHER U.S. SOURCES	FOREIGN	
TOTAL, ALL FIELDS	141,568	71,072	16,754	10,454	6,300	53,742
ENGINEERING	24,315	9,684	4,944	3,139	1,805	9,687
AERONAUTICAL	649	313	165	89	76	171
AGRICULTURAL	517	228	163	46	117	126
BIOMEDICAL	483	171	24	19	5	288
CHEMICAL	2,638	1,170	739	593	146	729
CIVIL	4,409	1,706	775	433	342	1,928
ELECTRICAL	5,574	2,163	1,041	715	326	2,370
ENGINEERING SCIENCE	924	533	113	82	31	278
INDUSTRIAL	2,736	893	436	196	240	1,407
MECHANICAL	2,957	1,274	554	399	155	1,129
METALLURGICAL/MATERIALS	953	355	375	272	103	223
MINING	125	52	45	22	23	28
NUCLEAR	793	347	223	121	102	223
PETROLEUM	254	73	146	47	99	35
ENGINEERING, NEC.	1,303	406	145	105	40	752
PHYSICAL SCIENCES	14,387	11,636	1,321	931	390	1,430
ASTRONOMY	299	218	39	18	21	42
CHEMISTRY	8,769	7,292	822	688	134	655
PHYSICS	5,317	4,126	460	225	235	731
PHYSICAL SCIENCES, NEC.	2	0	0	0	0	2
ENVIRONMENTAL SCIENCES	5,180	2,805	614	317	297	1,761
ATMOSPHERIC SCIENCES	276	136	36	17	19	104
GEOSCIENCES	3,833	2,128	469	243	226	1,236
OCEANOGRAPHY	887	414	101	49	52	372
ENVIRONMENTAL SCIENCES, NEC.	184	127	8	8	0	49
MATHEMATICAL SCIENCES	10,465	7,076	670	360	310	2,719
COMPUTER SCIENCE	2,671	1,205	202	133	69	1,264
MATHEMATICS AND APPLIED MATHEMATICS	6,535	5,112	316	148	168	1,107
STATISTICS	1,259	759	152	79	73	348
LIFE SCIENCES	36,964	18,945	4,869	2,844	2,025	13,150
AGRICULTURAL SCIENCES	7,238	3,047	1,845	862	983	2,346
BIOLOGICAL SCIENCES	23,171	13,746	2,253	1,511	742	7,172
ANATOMY	788	517	43	26	17	228
BIOCHEMISTRY	1,804	1,192	239	192	47	373
BIOLOGY	5,788	3,607	364	312	52	1,817
BIOMETRY/EPIDEMIOLOGY	367	157	43	23	20	167
BIOPHYSICS	261	160	38	30	8	63
BOTANY	2,178	1,401	234	111	123	543
CELL BIOLOGY	248	199	21	17	4	28
ECOLOGY	686	369	54	22	32	263
ENTOMOLOGY/PARASITOLOGY	1,026	531	213	85	128	282
GENETICS	478	225	84	45	39	169
MICROBIOLOGY	2,248	1,430	172	124	48	646
NUTRITION	1,744	716	324	209	115	704
PATHOLOGY	605	263	83	47	36	259
PHARMACOLOGY	858	478	111	81	30	269
PHYSIOLOGY	1,291	732	107	85	22	452
ZOOLOGY	2,170	1,509	103	88	15	558
BIOSCIENCES, NEC.	631	260	20	14	6	351
HEALTH SCIENCES	6,555	2,152	771	471	300	3,632
ANESTHESIOLOGY	0	0	0	0	0	0
CARDIOLOGY	1	1	0	0	0	0
CLINICAL PHARMACOLOGY	1	0	1	1	0	0
DENTISTRY	293	49	81	37	44	163
ENDOCRINOLOGY	22	7	2	2	0	13
GASTROENTEROLOGY	2	1	1	1	0	0
HEMATOLOGY	5	5	0	0	0	0
NEUROLOGY	169	104	36	34	2	29
NURSING	817	93	96	38	58	628
OBSTETRICS/GYNECOLOGY	12	9	1	1	0	2
OPHTHALMOLOGY	1	1	0	0	0	0
OTORHINOLARYNGOLOGY	40	21	4	3	1	15
PEDIATRICS	31	9	10	7	3	12
PHARMACEUTICAL SCIENCES	1,041	659	135	105	30	247
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,472	243	138	72	66	1,091
PSYCHIATRY	104	49	9	8	1	46
PULMONARY DISEASE	6	3	2	2	0	1
RADIOLOGY	106	29	17	13	4	60
SPEECH PATHOLOGY/AUDIOLOGY	1,500	412	62	58	4	1,026
SURGERY	54	49	3	3	0	2
VETERINARY SCIENCES	441	231	106	46	60	104
CLINICAL MEDICINE, NEC.	172	106	41	20	21	25
HEALTH RELATED, NEC.	265	71	26	20	6	168
PSYCHOLOGY	15,782	6,780	1,281	1,176	105	7,721
SOCIAL SCIENCES	34,475	14,146	3,055	1,687	1,368	17,274
AGRICULTURAL ECONOMICS	1,370	655	317	71	246	398
ANTHROPOLOGY	3,830	1,400	240	194	46	2,190
ECONOMICS (EXCEPT AGRICULTURAL)	6,460	3,255	835	390	445	2,370
GEOGRAPHY	1,471	791	127	59	68	553
HISTORY AND PHILOSOPHY OF SCIENCE	243	135	23	15	8	85
LINGUISTICS	2,453	1,150	145	48	97	1,158
POLITICAL SCIENCE	8,451	3,004	619	344	275	4,828
SOCIOLOGY	5,489	2,663	497	338	159	2,329
SOCIOLOGY/ANTHROPOLOGY	508	269	37	27	10	202
SOCIAL SCIENCES, NEC.	4,200	824	215	201	14	3,161

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-14. PART-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE, INSTITUTIONAL CONTROL, AND LEVEL OF STUDY: 1977

FIELD OF SCIENCE	ALL INSTITUTIONS			PUBLIC			PRIVATE		
	TOTAL	FIRST YEAR	BEYOND FIRST YEAR	TOTAL	FIRST YEAR	BEYOND FIRST YEAR	TOTAL	FIRST YEAR	BEYOND FIRST YEAR
TOTAL, ALL FIELDS	61,043	20,213	40,830	34,134	10,901	23,233	26,909	9,312	17,597
ENGINEERING	20,726	8,576	12,150	10,584	4,408	6,176	10,142	4,168	5,974
AERONAUTICAL	346	142	204	242	100	142	104	42	62
AGRICULTURAL	94	20	74	94	20	74	0	0	0
BIOMEDICAL	133	19	114	61	10	51	72	9	63
CHEMICAL	1,082	425	657	601	224	377	481	201	280
CIVIL	3,719	1,306	2,413	2,164	835	1,329	1,555	471	1,084
ELECTRICAL	7,267	3,719	3,548	2,956	1,523	1,433	4,311	2,196	2,115
ENGINEERING SCIENCE	474	112	362	433	98	335	41	14	27
INDUSTRIAL	2,352	1,016	1,336	1,345	688	657	1,007	328	679
MECHANICAL	2,854	1,064	1,790	1,598	544	1,054	1,256	520	736
METALLURGICAL/MATERIALS	569	168	401	275	60	215	294	108	186
MINING	56	9	47	51	8	43	5	1	4
NUCLEAR	307	77	230	174	28	146	133	49	84
PETROLEUM	74	15	59	41	6	35	33	9	24
ENGINEERING, NEC.	1,399	484	915	549	264	285	850	220	630
PHYSICAL SCIENCES	2,562	611	1,951	1,460	302	1,158	1,102	309	793
ASTRONOMY	36	12	24	32	12	20	4	0	4
CHEMISTRY	1,757	449	1,308	974	201	773	783	248	535
PHYSICS	769	150	619	454	89	365	315	61	254
PHYSICAL SCIENCES, NEC.	0	0	0	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES	1,596	287	1,309	1,365	213	1,152	231	74	157
ATMOSPHERIC SCIENCES	96	21	75	93	20	73	3	1	2
GEOSCIENCES	932	154	778	763	119	644	169	35	134
OCEANOGRAPHY	311	66	245	252	28	224	59	38	21
ENVIRONMENTAL SCIENCES, NEC.	257	46	211	257	46	211	0	0	0
MATHEMATICAL SCIENCES	4,485	1,791	2,694	2,931	992	1,939	1,554	799	755
COMPUTER SCIENCE	1,957	865	1,092	1,369	470	899	588	395	193
MATHEMATICS AND APPLIED MATHEMATICS	2,202	852	1,350	1,316	453	863	886	399	487
STATISTICS	326	74	252	246	69	177	80	5	75
LIFE SCIENCES	11,548	3,708	7,840	7,762	2,317	5,445	3,786	1,391	2,395
AGRICULTURAL SCIENCES	1,445	328	1,117	1,438	327	1,111	7	1	6
BIOLOGICAL SCIENCES	5,128	1,445	3,683	3,476	890	2,586	1,652	555	1,097
ANATOMY	102	18	84	64	14	50	38	4	34
BIOCHEMISTRY	220	71	149	174	53	121	46	18	28
BIOLOGY	1,713	492	1,221	754	186	568	959	306	653
BIOMETRY/EPIDEMIOLOGY	146	31	115	88	12	76	58	19	39
BIOPHYSICS	23	4	19	21	3	18	2	1	1
BOTANY	283	57	226	273	55	218	10	2	8
CELL BIOLOGY	35	8	27	26	7	19	9	1	8
ECOLOGY	99	17	82	85	14	71	14	3	11
ENTOMOLOGY/PARASITOLOGY	197	50	147	194	49	145	3	1	2
GENETICS	55	16	39	33	6	27	22	10	12
MICROBIOLOGY	468	144	324	343	96	247	125	48	77
NUTRITION	633	239	394	591	208	383	42	31	11
PATHOLOGY	151	47	104	76	22	54	75	25	50
PHARMACOLOGY	116	32	84	73	20	53	43	12	31
PHYSIOLOGY	129	34	95	99	18	81	30	16	14
ZOOLOGY	445	96	349	426	95	331	19	1	18
BIOSCIENCES, NEC.	313	89	224	156	32	124	157	57	100
HEALTH SCIENCES	4,975	1,935	3,040	2,848	1,100	1,748	2,127	835	1,292
ANESTHESIOLOGY	2	2	0	0	0	0	2	2	0
CARDIOLOGY	2	0	2	0	0	0	2	0	2
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0
DENTISTRY	117	28	89	18	4	14	99	24	75
ENDOCRINOLOGY	7	2	5	2	0	2	5	2	3
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0	0	0	0
NEUROLOGY	9	0	9	2	0	2	7	0	7
NURSING	2,549	1,178	1,371	1,474	696	778	1,075	482	593
OBSTETRICS/GYNECOLOGY	2	0	2	0	0	0	2	0	2
OPHTHALMOLOGY	2	0	2	0	0	0	[illegible]	0	2
OTORHINOLARYNGOLOGY	0	0	0	0	0	0	[illegible]	0	0
PEDIATRICS	6	5	1	0	0	0	[illegible]	5	1
PHARMACEUTICAL SCIENCES	741	235	506	174	48	126	567	187	380
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	650	264	386	475	177	298	175	87	88
PSYCHIATRY	46	0	46	33	0	33	13	0	13
PULMONARY DISEASE	0	0	0	0	0	0	0	0	0
RADIOLOGY	34	9	25	33	8	25	1	1	0
SPEECH PATHOLOGY/AUDIOLOGY	530	112	418	437	93	344	93	19	74
SURGERY	11	3	8	0	0	0	11	3	8
VETERINARY SCIENCES	130	39	91	130	39	91	0	0	0
CLINICAL MEDICINE, NEC.	51	25	26	37	17	20	14	8	6
HEALTH RELATED, NEC.	86	33	53	33	18	15	53	15	38
PSYCHOLOGY	5,930	1,300	4,630	2,584	558	2,026	3,346	742	2,604
SOCIAL SCIENCES	14,196	3,940	10,256	7,448	2,111	5,337	6,748	1,829	4,919
AGRICULTURAL ECONOMICS	243	60	183	243	60	183	0	0	0
ANTHROPOLOGY	1,029	186	843	711	106	605	318	80	238
ECONOMICS (EXCEPT AGRICULTURAL)	2,389	559	1,830	1,159	244	915	1,230	315	915
GEOGRAPHY	473	79	394	443	70	373	30	9	21
HISTORY AND PHILOSOPHY OF SCIENCE	33	4	29	28	3	25	5	1	4
LINGUISTICS	725	234	491	476	135	341	249	99	150
POLITICAL SCIENCE	5,734	1,624	4,110	2,257	729	1,528	3,477	895	2,582
SOCIOLOGY	1,625	357	1,268	1,074	248	826	551	109	442
SOCIOLOGY/ANTHROPOLOGY	446	109	337	137	37	100	309	72	237
SOCIAL SCIENCES, NEC.	1,499	728	771	920	479	441	579	249	330

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-15. PART-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE, INSTITUTIONAL CONTROL, AND SEX: 1977

FIELD OF SCIENCE	ALL INSTITUTIONS			PUBLIC			PRIVATE		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	61,043	44,270	16,773	34,134	24,722	9,412	26,909	19,548	7,361
ENGINEERING	20,726	19,546	1,180	10,584	9,944	640	10,142	9,602	540
AERONAUTICAL	346	333	13	242	238	4	104	95	9
AGRICULTURAL	94	89	5	94	89	5	0	0	0
BIOMEDICAL	133	122	11	61	53	8	72	69	3
CHEMICAL	1,082	997	85	601	550	51	481	447	34
CIVIL	3,719	3,541	178	2,164	2,057	107	1,555	1,484	71
ELECTRICAL	7,267	6,999	268	2,956	2,831	125	4,311	4,168	143
ENGINEERING SCIENCE	474	460	14	433	422	11	41	38	3
INDUSTRIAL	2,352	1,964	388	1,345	1,125	220	1,007	839	168
MECHANICAL	2,854	2,761	93	1,598	1,550	48	1,256	1,211	45
METALLURGICAL/MATERIALS	569	533	36	275	261	14	294	272	22
MINING	56	56	0	51	51	0	5	5	0
NUCLEAR	307	299	8	174	170	4	133	129	4
PETROLEUM	74	70	4	41	38	3	33	32	1
ENGINEERING, NEC.	1,399	1,322	77	549	509	40	850	813	37
PHYSICAL SCIENCES	2,562	2,089	473	1,460	1,202	258	1,102	887	215
ASTRONOMY	36	30	6	32	26	6	4	4	0
CHEMISTRY	1,757	1,352	405	974	757	217	783	595	188
PHYSICS	769	707	62	454	419	35	315	288	27
PHYSICAL SCIENCES, NEC.	0	0	0	0	0	0	0	0	0
ENVIRONMENTAL SCIENCES	1,596	1,368	228	1,365	1,175	190	231	193	38
ATMOSPHERIC SCIENCES	96	92	4	93	89	4	3	3	0
GEOSCIENCES	932	764	168	763	627	136	169	137	32
OCEANOGRAPHY	311	273	38	252	220	32	59	53	6
ENVIRONMENTAL SCIENCES, NEC.	257	239	18	257	239	18	0	0	0
MATHEMATICAL SCIENCES	4,485	3,388	1,097	2,931	2,215	716	1,554	1,173	381
COMPUTER SCIENCE	1,957	1,585	372	1,369	1,110	259	588	475	113
MATHEMATICS AND APPLIED MATHEMATICS	2,202	1,579	623	1,316	941	375	886	638	248
STATISTICS	326	224	102	246	164	82	80	60	20
LIFE SCIENCES	11,548	5,490	6,058	7,762	4,020	3,742	3,786	1,470	2,316
AGRICULTURAL SCIENCES	1,445	1,215	230	1,438	1,210	228	7	5	2
BIOLOGICAL SCIENCES	5,128	3,042	2,086	3,476	2,110	1,366	1,652	932	720
ANATOMY	102	65	37	64	40	24	38	25	13
BIOCHEMISTRY	220	139	81	174	109	65	46	30	16
BIOLOGY	1,713	1,079	634	754	514	240	959	565	394
BIOMETRY/EPIDEMIOLOGY	146	79	67	88	50	38	58	29	29
BIOPHYSICS	23	21	2	21	19	2	2	2	0
BOTANY	283	210	73	273	201	72	10	9	1
CELL BIOLOGY	35	24	11	26	18	8	9	6	3
ECOLOGY	99	64	35	85	60	25	14	4	10
ENTOMOLOGY/PARASITOLOGY	197	162	35	194	161	33	3	1	2
GENETICS	55	24	31	33	17	16	22	7	15
MICROBIOLOGY	468	241	227	343	186	157	125	55	70
NUTRITION	633	178	455	591	172	419	42	6	36
PATHOLOGY	151	77	74	76	37	39	75	40	35
PHARMACOLOGY	116	91	25	73	58	15	43	33	10
PHYSIOLOGY	129	81	48	99	62	37	30	19	11
ZOOLOGY	445	313	132	426	299	127	19	14	5
BIOSCIENCES, NEC.	313	194	119	156	107	49	157	87	70
HEALTH SCIENCES	4,975	1,233	3,742	2,848	700	2,148	2,127	533	1,594
ANESTHESIOLOGY	2	2	0	0	0	0	2	2	0
CARDIOLOGY	2	2	0	0	0	0	2	2	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0
DENTISTRY	117	81	36	18	14	4	99	67	32
ENDOCRINOLOGY	7	6	1	2	2	0	5	4	1
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0	0	0	0
NEUROLOGY	9	8	1	2	1	1	7	7	0
NURSING	2,549	55	2,494	1,474	35	1,439	1,075	20	1,055
OBSTETRICS/GYNECOLOGY	2	1	1	0	0	0	2	1	1
OPHTHALMOLOGY	2	1	1	0	0	0	2	1	1
OTORHINOLARYNGOLOGY	0	0	0	0	0	0	0	0	0
PEDIATRICS	6	3	3	0	0	0	6	3	3
PHARMACEUTICAL SCIENCES	741	419	322	174	131	43	567	288	279
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	650	327	323	475	243	232	175	84	91
PSYCHIATRY	46	34	12	33	28	5	13	6	7
PULMONARY DISEASE	0	0	0	0	0	0	0	0	0
RADIOLOGY	34	25	9	33	25	8	1	0	1
SPEECH PATHOLOGY/AUDIOLOGY ..	530	91	439	437	87	350	93	4	89
SURGERY	11	11	0	0	0	0	11	11	0
VETERINARY SCIENCES	130	92	38	130	92	38	0	0	0
CLINICAL MEDICINE, NEC.	51	28	23	37	24	13	14	4	10
HEALTH RELATED, NEC.	86	47	39	33	18	15	53	29	24
PSYCHOLOGY	5,930	3,161	2,769	2,584	1,262	1,322	3,346	1,899	1,447
SOCIAL SCIENCES	14,196	9,228	4,968	7,448	4,904	2,544	6,748	4,324	2,424
AGRICULTURAL ECONOMICS	243	205	38	243	205	38	0	0	0
ANTHROPOLOGY	1,029	528	501	711	381	330	318	147	171
ECONOMICS (EXCEPT AGRICULTURAL)	2,389	1,905	484	1,159	960	199	1,230	945	285
GEOGRAPHY	473	352	121	443	336	107	30	16	14
HISTORY AND PHILOSOPHY OF SCIENCE	33	22	11	28	17	11	5	5	0
LINGUISTICS	725	302	423	476	198	278	249	104	145
POLITICAL SCIENCE	5,734	4,117	1,617	2,257	1,674	583	3,477	2,443	1,034
SOCIOLOGY	1,625	904	721	1,074	636	438	551	268	283
SOCIOLOGY/ANTHROPOLOGY	446	305	141	137	88	49	309	217	92
SOCIAL SCIENCES, NEC.	1,499	588	911	920	409	511	579	179	400

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-16. POSTDOCTORALS IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND SOURCE OF SUPPORT: 1977

FIELD OF SCIENCE	TOTAL	SOURCE OF SUPPORT								NUMBER OF FOREIGN POSTDOCTORALS	
		FEDERAL						NON-FEDERAL			
		TOTAL		FELLOWSHIPS AND TRAINEESHIPS		RESEARCH ASSOCIATES					
		NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS	19,252	13,296	69.1	5,395	28.0	7,901	41.0	5,956	30.9	6,126	31.8
ENGINEERING	1,218	919	75.5	167	13.7	752	61.7	299	24.5	645	53.0
AERONAUTICAL	74	61	82.4	9	12.2	52	70.3	13	17.6	39	52.7
AGRICULTURAL	26	17	65.4	1	3.8	16	61.5	9	34.6	12	46.2
BIOMEDICAL	61	37	60.7	24	39.3	13	21.3	24	39.3	9	14.8
CHEMICAL	207	156	75.4	34	16.4	122	58.9	51	24.6	127	61.4
CIVIL	151	99	65.6	11	7.3	88	58.3	52	34.4	92	60.9
ELECTRICAL	167	137	82.0	9	5.4	128	76.6	30	18.0	70	41.9
ENGINEERING SCIENCE	107	91	85.0	45	42.1	46	43.0	16	15.0	46	43.0
INDUSTRIAL	21	8	38.1	0	.0	8	38.1	13	61.9	7	33.3
MECHANICAL	118	86	72.9	3	2.5	83	70.3	32	27.1	63	53.4
METALLURGICAL/MATERIALS	206	168	81.6	30	14.6	138	67.0	38	18.4	139	67.5
MINING	14	13	92.9	0	.0	13	92.9	1	7.1	8	57.1
NUCLEAR	21	10	47.6	0	.0	10	47.6	11	52.4	7	33.3
PETROLEUM	18	17	94.4	1	5.6	16	88.9	1	5.6	12	66.7
ENGINEERING, NEC.	27	19	70.4	0	.0	19	70.4	8	29.6	14	51.9
PHYSICAL SCIENCES	4,145	3,384	81.6	465	11.2	2,919	70.4	761	18.4	1,707	41.2
ASTRONOMY	153	113	73.9	14	9.2	99	64.7	40	26.1	29	19.0
CHEMISTRY	2,607	2,079	79.7	342	13.1	1,737	66.6	528	20.3	1,209	46.4
PHYSICS	1,385	1,192	86.1	109	7.9	1,083	78.2	193	13.9	469	33.9
PHYSICAL SCIENCES, NEC.	0	0	.0	0	.0	0	.0	0	.0	0	.0
ENVIRONMENTAL SCIENCES	361	298	82.5	35	9.7	263	72.9	63	17.5	108	29.9
ATMOSPHERIC SCIENCES	62	59	95.2	2	3.2	57	91.9	3	4.8	12	19.4
GEOSCIENCES	226	188	83.2	24	10.6	164	72.6	38	16.8	80	35.4
OCEANOGRAPHY	62	43	69.4	8	12.9	35	56.5	19	30.6	11	17.7
ENVIRONMENTAL SCIENCES, NEC.	11	8	72.7	1	9.1	7	63.6	3	27.3	5	45.5
MATHEMATICAL SCIENCES	148	92	62.2	13	8.8	79	53.4	56	37.8	53	35.8
COMPUTER SCIENCE	59	51	86.4	6	10.2	45	76.3	8	13.6	12	20.3
MATHEMATICS AND APPLIED MATHEMATICS	72	36	50.0	5	6.9	31	43.1	36	50.0	31	43.1
STATISTICS	17	5	29.4	2	11.8	3	17.6	12	70.6	10	58.8
LIFE SCIENCES	12,665	8,235	65.0	4,512	35.6	3,723	29.4	4,430	35.0	3,480	27.5
AGRICULTURAL SCIENCES	335	186	55.5	10	3.0	176	52.5	149	44.5	95	28.4
BIOLOGICAL SCIENCES	6,566	4,987	76.0	2,306	35.1	2,681	40.8	1,579	24.0	1,978	30.1
ANATOMY	218	156	71.6	88	40.4	68	31.2	62	28.4	51	23.4
BIOCHEMISTRY	1,407	1,135	80.7	310	22.0	825	58.6	272	19.3	511	36.3
BIOLOGY	901	667	74.0	300	33.3	367	40.7	234	26.0	311	34.5
BIOMETRY/EPIDEMIOLOGY	44	25	56.8	24	54.5	1	2.3	19	43.2	14	31.8
BIOPHYSICS	236	214	90.7	126	53.4	88	37.3	22	9.3	83	35.2
BOTANY	153	98	64.1	10	6.5	88	57.5	55	35.9	54	35.3
CELL BIOLOGY	254	190	74.8	89	35.0	101	39.8	64	25.2	66	26.0
ECOLOGY	9	8	88.9	0	.0	8	88.9	1	11.1	1	11.1
ENTOMOLOGY/PARASITOLOGY	109	75	68.8	22	20.2	53	48.6	34	31.2	36	33.0
GENETICS	204	160	78.4	82	40.2	78	38.2	44	21.6	46	22.5
MICROBIOLOGY	845	623	73.7	342	40.5	281	33.3	222	26.3	211	25.0
NUTRITION	164	113	68.9	46	28.0	67	40.9	51	31.1	47	28.7
PATHOLOGY	575	406	70.6	279	48.5	127	22.1	169	29.4	134	23.3
PHARMACOLOGY	539	429	79.6	218	40.4	211	39.1	110	20.4	204	37.8
PHYSIOLOGY	631	497	78.8	270	42.8	227	36.0	134	21.2	151	23.9
ZOOLOGY	153	107	69.9	54	35.3	53	34.6	46	30.1	28	18.3
BIOSCIENCES, NEC.	124	84	67.7	46	37.1	38	30.6	40	32.3	30	24.2
HEALTH SCIENCES	5,764	3,062	53.1	2,196	38.1	866	15.0	2,702	46.9	1,407	24.4
ANESTHESIOLOGY	72	32	44.4	20	27.8	12	16.7	40	55.6	18	25.0
CARDIOLOGY	502	234	46.6	159	31.7	75	14.9	268	53.4	94	18.7
CLINICAL PHARMACOLOGY	79	53	67.1	43	54.4	10	12.7	26	32.9	19	24.1
DENTISTRY	96	24	25.0	20	20.8	4	4.2	72	75.0	23	24.0
ENDOCRINOLOGY	227	129	56.8	97	42.7	32	14.1	98	43.2	60	26.4
GASTROENTEROLOGY	194	93	47.9	73	37.6	20	10.3	101	52.1	33	17.0
HEMATOLOGY	245	158	64.5	109	44.5	49	20.0	87	35.5	48	19.6
NEUROLOGY	278	169	60.8	135	48.6	34	12.2	109	39.2	52	18.7
NURSING	0	0	**	0	**	0	**	0	**	0	**
OBSTETRICS/GYNECOLOGY	161	70	43.5	53	32.9	17	10.6	91	56.5	65	40.4
OPHTHALMOLOGY	179	130	72.6	105	58.7	25	14.0	49	27.4	54	30.2
OTORHINOLARYNGOLOGY	29	17	58.6	5	17.2	12	41.4	12	41.4	8	27.6
PEDIATRICS	571	290	50.8	228	39.9	62	10.9	281	49.2	147	25.7
PHARMACEUTICAL SCIENCES	230	170	73.9	42	18.3	128	55.7	60	26.1	129	56.1
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	133	93	69.9	82	61.7	11	8.3	40	30.1	15	11.3
PSYCHIATRY	332	207	62.3	175	52.7	32	9.6	125	37.7	30	9.0
PULMONARY DISEASE	236	105	44.5	83	35.2	22	9.3	131	55.5	38	16.1
RADIOLOGY	170	97	57.1	46	27.1	51	30.0	73	42.9	62	36.5
SPEECH PATHOLOGY/AUDIOLOGY	23	12	52.2	6	26.1	6	26.1	11	47.8	2	8.7
SURGERY	426	198	46.5	116	27.2	82	19.2	228	53.5	151	35.4
VETERINARY SCIENCES	90	54	60.0	13	14.4	41	45.6	36	40.0	25	27.8
CLINICAL MEDICINE, NEC.	1,471	710	48.3	572	38.9	138	9.4	761	51.7	331	22.5
HEALTH RELATED, NEC.	20	17	85.0	14	70.0	3	15.0	3	15.0	3	15.0
PSYCHOLOGY	381	225	59.1	124	32.5	101	26.5	156	40.9	38	10.0
SOCIAL SCIENCES	334	143	42.8	79	23.7	64	19.2	191	57.2	95	28.4
AGRICULTURAL ECONOMICS	28	7	25.0	0	.0	7	25.0	21	75.0	4	14.3
ANTHROPOLOGY	50	23	46.0	19	38.0	4	8.0	27	54.0	6	12.0
ECONOMICS (EXCEPT AGRICULTURAL)	65	12	18.5	4	6.2	8	12.3	53	81.5	36	55.4
GEOGRAPHY	9	4	44.4	0	.0	4	44.4	5	55.6	7	77.8
HISTORY AND PHILOSOPHY OF SCIENCE	22	6	27.3	3	13.6	3	13.6	16	72.7	7	31.8
LINGUISTICS	30	7	23.3	3	10.0	4	13.3	23	76.7	14	46.7
POLITICAL SCIENCE	27	10	37.0	4	14.8	6	22.2	17	63.0	10	37.0
SOCIOLOGY	93	69	74.2	46	49.5	23	24.7	24	25.8	10	10.8
SOCIOLOGY/ANTHROPOLOGY	4	1	25.0	0	.0	1	25.0	3	75.0	0	.0
SOCIAL SCIENCES, NEC.	6	4	66.7	0	.0	4	66.7	2	33.3	1	16.7

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-17. GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS: 1975-77

FIELD OF SCIENCE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	237665	241059	246655	1.4	2.3	180181	182735	185612	1.4	1.6	57,484	58,324	61,043	1.5	4.7
ENGINEERING	52,980	52,812	55,035	-.3	4.2	33,279	33,235	34,309	-.1	3.2	19,701	19,577	20,726	-.6	5.9
AERONAUTICAL	1,728	1,563	1,656	-9.5	6.0	1,324	1,258	1,310	-5.0	4.1	404	305	346	-24.5	13.4
AGRICULTURAL	589	713	728	21.1	2.1	498	589	634	18.3	7.6	91	124	94	36.3	-24.2
BIOMEDICAL	910	876	821	-3.7	-6.3	806	716	688	-11.2	-3.9	104	160	133	53.8	-16.9
CHEMICAL	4,573	4,738	4,870	3.6	2.8	3,377	3,535	3,788	4.7	7.2	1,196	1,203	1,082	.6	-10.1
CIVIL	9,711	9,202	9,565	-5.2	3.9	5,938	5,595	5,846	-5.8	4.5	3,773	3,607	3,719	-4.4	3.1
ELECTRICAL	14,474	14,111	15,171	-2.5	7.5	7,740	7,591	7,904	-1.9	4.1	6,734	6,520	7,267	-3.2	11.5
ENGINEERING SCIENCE	2,023	2,011	1,804	-.6	-10.3	1,550	1,516	1,330	-2.2	-12.3	473	495	474	4.7	-4.2
INDUSTRIAL	5,468	5,762	5,642	5.4	-2.1	3,287	3,332	3,290	1.4	-1.3	2,181	2,430	2,352	11.4	-3.2
MECHANICAL	6,748	6,644	7,031	-1.5	5.8	4,033	4,090	4,177	1.4	2.1	2,715	2,554	2,854	-5.9	11.7
METALLURGICAL/MATERIALS	2,365	2,374	2,479	.4	4.4	1,777	1,842	1,910	3.7	3.7	588	532	569	-9.5	7.0
MINING	341	356	363	4.4	2.0	293	312	307	6.5	-1.6	48	44	56	-8.3	27.3
NUCLEAR	1,547	1,534	1,418	-.8	-7.6	1,204	1,178	1,111	-2.2	-5.7	343	356	307	3.8	-13.8
PETROLEUM	366	430	437	17.5	1.6	288	377	363	30.9	-3.7	78	53	74	-32.1	39.6
ENGINEERING, NEC.	2,137	2,498	3,050	16.9	22.1	1,164	1,304	1,651	12.0	26.6	973	1,194	1,399	22.7	17.2
PHYSICAL SCIENCES	23,085	23,453	23,505	1.6	.2	20,454	20,787	20,943	1.6	.8	2,631	2,666	2,562	1.3	-3.9
ASTRONOMY	591	553	520	-6.4	-6.0	550	500	484	-9.1	-3.2	41	53	36	29.3	-32.1
CHEMISTRY	13,231	13,412	13,808	2.9	1.4	11,514	11,889	12,051	3.3	1.4	1,717	1,723	1,757	.3	2.0
PHYSICS	9,261	9,288	9,175	.3	-1.2	8,389	8,398	8,406	.1	.1	872	890	769	2.1	-13.6
PHYSICAL SCIENCES, NEC.	2	0	2	-100.0	**	1	0	2	-100.0	**	1	0	0	-100.0	**
ENVIRONMENTAL SCIENCES	8,908	9,365	9,597	5.1	2.5	7,421	7,828	8,001	5.5	2.2	1,487	1,537	1,596	3.4	3.8
ATMOSPHERIC SCIENCES	958	966	952	.8	-1.4	871	875	856	.5	-2.2	87	91	96	4.6	5.5
GEOSCIENCES	5,617	5,985	6,199	6.6	3.6	4,815	5,160	5,267	7.2	2.1	802	825	932	2.9	13.0
OCEANOGRAPHY	1,911	1,944	1,946	1.7	.1	1,551	1,606	1,635	3.5	1.8	360	338	311	-6.1	-8.0
ENVIRONMENTAL SCIENCES, NEC.	422	470	500	11.4	6.4	184	187	243	1.6	29.9	238	283	257	18.9	-9.2
MATHEMATICAL SCIENCES	16,388	16,426	16,078	.2	-2.1	11,835	11,893	11,593	.5	-2.5	4,553	4,533	4,485	-.4	-1.1
COMPUTER SCIENCE	4,826	5,096	5,221	5.6	2.5	3,179	3,300	3,264	3.8	-1.1	1,647	1,796	1,957	9.0	9.0
MATHEMATICS AND APPLIED MATHEMATICS	9,819	9,543	9,092	-2.8	-4.7	7,270	7,161	6,890	-1.5	-3.8	2,549	2,382	2,202	-6.6	-7.6
STATISTICS	1,743	1,787	1,765	2.5	-1.2	1,386	1,432	1,439	3.3	.5	357	355	326	-.6	-8.2
LIFE SCIENCES	59,392	60,592	63,948	2.0	5.5	50,125	51,179	52,400	2.1	2.4	9,267	9,413	11,548	1.6	22.7
AGRICULTURAL SCIENCES	9,518	10,032	10,371	5.4	3.4	8,176	8,703	8,926	6.4	2.6	1,342	1,329	1,445	-1.0	8.7
BIOLOGICAL SCIENCES	36,979	37,186	38,032	.6	2.3	32,393	32,618	32,904	.7	.9	4,586	4,568	5,128	-.4	12.3
ANATOMY	1,070	1,112	1,145	3.9	3.0	986	1,038	1,043	5.3	.5	84	74	102	-11.9	37.8
BIOCHEMISTRY	3,618	3,650	3,733	.9	2.3	3,347	3,419	3,513	2.2	2.7	271	231	220	-14.8	-4.8
BIOLOGY	9,460	9,140	9,008	-3.4	-1.4	7,645	7,384	7,295	-3.4	-1.2	1,815	1,756	1,713	-3.3	-2.4
BIOMETRY/EPIDEMIOLOGY	657	599	782	-8.8	30.6	559	503	636	-10.0	26.4	98	96	146	-2.0	52.1
BIOPHYSICS	798	694	643	-13.0	-7.3	706	666	620	-5.7	-6.9	92	28	23	-69.6	-17.9
BOTANY	2,605	2,799	2,885	7.4	3.1	2,343	2,525	2,602	7.8	3.0	262	274	283	4.6	3.3
CELL BIOLOGY	602	565	619	-6.1	9.6	582	535	584	-8.1	9.2	20	30	35	50.0	16.7
ECOLOGY	763	818	948	7.2	15.9	677	718	849	6.1	18.2	86	100	99	16.3	-1.0
ENTOMOLOGY/PARASITOLOGY	1,499	1,514	1,510	1.0	-.3	1,334	1,348	1,313	1.0	-2.6	165	166	197	.6	18.7
GENETICS	795	824	947	3.6	14.9	744	753	892	1.2	18.5	51	71	55	39.2	-22.5
MICROBIOLOGY	3,738	3,881	3,902	3.8	.5	3,379	3,447	3,434	2.0	-.4	359	434	468	20.9	7.8
NUTRITION	2,235	2,452	2,935	9.7	19.7	1,964	2,133	2,302	7.5	7.9	251	319	633	27.1	98.4
PATHOLOGY	990	988	1,061	-.2	7.4	856	895	910	4.6	1.7	134	93	151	-30.6	62.4
PHARMACOLOGY	1,564	1,651	1,689	5.6	2.3	1,472	1,539	1,573	4.6	2.2	92	112	116	21.7	3.6
PHYSIOLOGY	2,276	2,229	2,106	-2.1	-5.5	2,080	2,036	1,977	-2.1	-2.9	196	193	129	-1.5	-33.2
ZOOLOGY	3,445	3,189	3,000	-7.4	-5.9	2,986	2,789	2,555	-6.6	-8.4	459	400	445	-12.9	11.2
BIOSCIENCES, NEC.	864	1,081	1,119	25.1	3.5	713	890	806	24.8	-9.4	151	191	313	26.5	63.9
HEALTH SCIENCES	12,895	13,374	15,545	3.7	16.2	9,556	9,858	10,570	3.2	7.2	3,339	3,516	4,975	5.3	41.5
ANESTHESIOLOGY	53	2	2	-96.2	.0	53	2	0	-96.2	-100.0	0	0	2	**	**
CARDIOLOGY	33	16	5	-51.5	-68.8	32	14	3	-56.3	-78.6	1	2	2	100.0	.0
CLINICAL PHARMACOLOGY	4	24	5	500.0	-79.2	3	24	5	700.0	-79.2	1	0	0	-100.0	**
DENTISTRY	418	425	435	1.7	2.4	347	342	318	-1.4	-7.0	71	83	117	16.9	41.0
ENDOCRINOLOGY	45	37	42	-17.8	13.5	45	33	35	-26.7	6.1	0	4	7	**	75.0
GASTROENTEROLOGY	16	8	8	-50.0	.0	12	8	8	-33.3	.0	4	0	0	-100.0	**
HEMATOLOGY	5	4	5	-20.0	25.0	5	3	5	-40.0	66.7	0	1	0	**	-100.0
NEUROLOGY	359	337	345	-6.1	2.4	353	327	336	-7.4	2.8	6	10	9	66.7	-10.0
NURSING	1,917	2,725	4,738	42.1	73.9	1,016	1,491	2,189	46.8	46.8	901	1,234	2,549	37.0	106.6
OBSTETRICS/GYNECOLOGY	52	56	31	7.7	-44.6	50	49	29	-2.0	-40.8	2	7	2	250.0	-71.4
OPHTHALMOLOGY	21	6	9	-71.4	50.0	21	5	7	-76.2	40.0	0	1	2	**	100.0
OTORHINOLARYNGOLOGY	37	50	53	35.1	6.0	33	46	53	39.4	15.2	4	4	0	.0	-100.0
PEDIATRICS	116	89	78	-23.3	-12.4	99	81	72	-18.2	-11.1	17	8	6	-52.9	-25.0
PHARMACEUTICAL SCIENCES	2,114	2,016	2,094	-4.6	3.9	1,325	1,258	1,353	-5.1	7.6	789	758	741	-3.9	-2.2
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,981	3,332	3,172	11.8	-4.8	2,438	2,657	2,522	9.0	-5.1	543	675	650	24.3	-3.7
PSYCHIATRY	307	246	209	-19.9	-15.0	246	217	163	-11.8	-24.9	61	29	46	-52.5	58.6
PULMONARY DISEASE	9	2	17	-77.8	750.0	9	2	17	-77.8	750.0	0	0	0	**	**
RADIOLOGY	266	172	222	-35.3	29.1	217	167	188	-23.0	12.6	49	5	34	-89.8	580.0
SPEECH PATH/AUDIOLOGY	2,518	2,243	2,493	-10.9	11.1	1,925	1,812	1,963	-5.9	8.3	593	431	530	-27.3	23.0
SURGERY	116	94	83	-19.0	-11.7	107	91	72	-15.0	-20.9	9	3	11	-66.7	266.7
VETERINARY SCIENCES	571	620	686	8.6	10.6	453	505	556	11.5	10.1	118	115	130	-2.5	13.0
CLINICAL MEDICINE, NEC.	332	303	311	-8.7	2.6	290	262	260	-9.7	-.8	42	41	51	-2.4	24.4
HEALTH RELATED, NEC.	605	567	502	-6.3	-11.5	477	462	416	-3.1	-10.0	128	105	86	-18.0	-18.1
PSYCHOLOGY	24,266	25,996	25,490	7.1	-1.9	18,003	19,940	19,560	10.8	-1.9	6,263	6,056	5,930	-3.3	-2.1
SOCIAL SCIENCES	52,646	52,415	53,002	-.4	1.1	39,064	37,873	38,806	-3.0	2.5	13,582	14,542	14,196	7.1	-2.4
AGRICULTURAL ECONOMICS	1,919	1,972	2,036	2.8	3.2	1,708	1,758	1,793	2.9	2.0	211	214	243	1.4	13.6
ANTHROPOLOGY	5,428	5,362	5,355	-1.2	-.1	4,288	4,299	4,326	.3	.6	1,140	1,063	1,029	-6.8	-3.2
ECONOMICS (EXCEPT AGRICULTURAL)	9,080	9,188	9,393	1.2	2.2	6,936	6,747	7,004	-2.7	3.8	2,144	2,441	2,389	13.9	-2.1
GEOGRAPHY	2,176	2,261	2,073	3.9	-8.3	1,715	1,732	1,600	1.0	-7.6	461	529	473	14.8	-10.6
HISTORY AND PHILOSOPHY OF SCIENCE	292	310	290	6.2	-6.5	259	270	257	4.2	-4.8	33	40	33	21.2	-17.5
LINGUISTICS	3,341	3,504	3,458	4.9	-1.3	2,748	2,864	2,733	4.2	-4.6	593	640	725	7.9	13.3
POLITICAL SCIENCE	15,081	14,890	14,974	-1.3	.6	9,656	8,721	9,240	-9.7	6.0	5,425	6,169	5,734	13.7	-7.1
SOCIOLOGY	8,718	8,531	7,974	-2.1	-6.5	6,747	6,723	6,349	-.4	-5.6	1,971	1,808	1,625	-8.3	-10.1
SOCIOLOGY/ANTHROPOLOGY	1,376	1,119	1,021	-18.7	-8.8	910	571	575	-37.3	.7	466	548	446	17.6	-18.6
SOCIAL SCIENCES, NEC.	5,235	5,278	6,428	.8	21.8	4,097	4,188	4,929	2.2	17.7	1,138	1,090	1,499	-4.2	37.5

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-18. GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND LEVEL OF STUDY: 1975-77

FIELD OF SCIENCE	TOTAL					FIRST YEAR					BEYOND FIRST YEAR				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	237665	241059	246655	1.4	2.3	81,388	79,344	82,951	-2.5	4.5	156277	161715	163704	3.5	1.2
ENGINEERING	52,980	52,812	55,035	-.3	4.2	22,419	21,381	22,946	-4.6	7.3	30,561	31,431	32,089	2.8	2.1
AERONAUTICAL	1,728	1,563	1,656	-9.5	6.0	642	541	595	-15.7	10.0	1,086	1,022	1,061	-5.9	3.8
AGRICULTURAL	589	713	728	21.1	2.1	221	243	241	10.0	-.8	368	470	487	27.7	3.6
BIOMEDICAL	910	876	821	-3.7	-6.3	301	314	249	4.3	-20.7	609	562	572	-7.7	1.8
CHEMICAL	4,573	4,738	4,870	3.6	2.8	1,731	1,886	2,022	9.0	7.2	2,842	2,852	2,848	.4	-.1
CIVIL	9,711	9,202	9,565	-5.2	3.9	4,272	3,945	4,222	-7.7	7.0	5,439	5,257	5,343	-3.3	1.6
ELECTRICAL	14,474	14,111	15,171	-2.5	7.5	6,627	6,168	7,053	-6.9	14.3	7,847	7,943	8,118	1.2	2.2
ENGINEERING SCIENCE	2,023	2,011	1,804	-.6	-10.3	559	585	510	4.7	-12.8	1,464	1,426	1,294	-2.6	-9.3
INDUSTRIAL	5,468	5,762	5,642	5.4	-2.1	2,465	2,303	2,505	-6.6	8.8	3,003	3,459	3,137	15.2	-9.3
MECHANICAL	6,748	6,644	7,031	-1.5	5.8	2,905	2,789	2,915	-4.0	4.5	3,843	3,855	4,116	.3	6.8
METALLURGICAL/MATERIALS	2,365	2,374	2,479	.4	4.4	676	663	737	-1.9	11.2	1,689	1,711	1,742	1.3	1.8
MINING	341	356	363	4.4	2.0	138	149	98	8.0	-34.2	203	207	265	2.0	28.0
NUCLEAR	1,547	1,534	1,418	-.8	-7.6	677	492	442	-27.3	-10.2	870	1,042	976	19.8	-6.3
PETROLEUM	366	430	437	17.5	1.6	126	201	161	59.5	-19.9	240	229	276	-4.6	20.5
ENGINEERING, NEC.	2,137	2,498	3,050	16.9	22.1	1,079	1,102	1,196	2.1	8.5	1,058	1,396	1,854	31.9	32.8
PHYSICAL SCIENCES	23,085	23,453	23,505	1.6	.2	6,214	6,336	6,372	2.0	.6	16,871	17,117	17,133	1.5	.1
ASTRONOMY	591	553	520	-6.4	-6.0	111	109	129	-1.8	18.3	460	444	391	-7.5	-11.9
CHEMISTRY	13,231	13,612	13,808	2.9	1.4	3,815	3,934	3,955	3.1	.5	9,416	9,678	9,853	2.8	1.8
PHYSICS	9,261	9,288	9,175	.3	-1.2	2,288	2,293	2,288	.2	-.2	6,973	6,995	6,887	.3	-1.5
PHYSICAL SCIENCES, NEC.	2	0	2	-100.0	**	0	0	0	**	**	2	0	2	-100.0	**
ENVIRONMENTAL SCIENCES	8,908	9,365	9,597	5.1	2.5	2,784	2,795	2,783	.4	-.4	6,124	6,570	6,814	7.3	3.7
ATMOSPHERIC SCIENCES ...	958	966	952	.8	-1.4	342	311	309	-9.1	-.6	616	655	643	6.3	-1.8
GEOSCIENCES	5,617	5,985	6,199	6.6	3.6	1,774	1,833	1,842	3.3	.5	3,843	4,152	4,357	8.0	4.9
OCEANOGRAPHY	1,911	1,944	1,946	1.7	.1	512	499	482	-2.5	-3.4	1,399	1,445	1,464	3.3	1.3
ENVIRONMENTAL SCIENCES, NEC.	422	470	500	11.4	6.4	156	152	150	-2.6	-1.3	266	318	350	19.5	10.1
MATHEMATICAL SCIENCES	16,388	16,426	16,078	.2	-2.1	6,057	5,471	5,746	-9.7	5.0	10,331	10,955	10,332	6.0	-5.7
COMPUTER SCIENCE	4,826	5,096	5,221	5.6	2.5	1,964	1,814	2,116	-7.6	16.6	2,862	3,282	3,105	14.7	-5.4
MATHEMATICS AND APPLIED MATHEMATICS ..	9,819	9,543	9,092	-2.8	-4.7	3,502	3,095	3,101	-11.6	.2	6,317	6,448	5,991	2.1	-7.1
STATISTICS	1,743	1,787	1,765	2.5	-1.2	591	562	529	-4.9	-5.9	1,152	1,225	1,236	6.3	.9
LIFE SCIENCES	59,352	60,592	63,948	2.0	5.5	20,679	20,504	21,395	-.8	4.3	38,713	40,088	42,553	3.6	6.1
AGRICULTURAL SCIENCES	9,518	10,032	10,371	5.4	3.4	3,470	3,501	3,653	.9	4.3	6,048	6,531	6,718	8.0	2.9
BIOLOGICAL SCIENCES	36,979	37,186	38,032	.6	2.3	11,457	10,928	10,840	-4.6	-.8	25,522	26,258	27,192	2.9	3.6
ANATOMY	1,070	1,112	1,145	3.9	3.0	320	305	286	-4.7	-6.2	750	807	859	7.6	6.4
BIOCHEMISTRY	3,618	3,650	3,733	.9	2.3	1,020	975	966	-4.4	-.9	2,598	2,675	2,767	3.0	3.4
BIOLOGY	9,460	9,140	9,008	-3.4	-1.4	3,088	2,853	2,745	-7.6	-3.8	6,372	6,287	6,263	-1.3	-.4
BIOMETRY/EPIDEMIOLOGY ..	657	599	782	-8.8	30.6	233	209	235	-10.3	12.4	424	390	547	-8.0	40.3
BIOPHYSICS	798	694	643	-13.0	-7.3	205	140	130	-31.7	-7.1	593	554	513	-6.6	-7.4
BOTANY	2,605	2,799	2,885	7.4	3.1	750	855	792	14.0	-7.4	1,855	1,944	2,093	4.8	7.7
CELL BIOLOGY	602	565	619	-6.1	9.6	189	145	162	-23.3	11.7	413	420	457	1.7	8.8
ECOLOGY	763	818	948	7.2	15.9	238	210	217	-11.8	3.3	525	608	731	15.8	20.2
ENTOMOLOGY/PARASITOLOGY	1,499	1,514	1,510	1.0	-.3	498	417	422	-16.3	1.2	1,001	1,097	1,088	9.6	-.8
GENETICS	795	824	947	3.6	14.9	229	226	254	-1.3	12.4	566	598	693	5.7	15.9
MICROBIOLOGY	3,738	3,881	3,902	3.8	.5	1,145	1,111	1,106	-3.0	-.5	2,593	2,770	2,796	6.8	.9
NUTRITION	2,235	2,452	2,935	9.7	19.7	854	891	1,073	4.3	20.4	1,381	1,561	1,862	13.0	19.3
PATHOLOGY	990	988	1,061	-.2	7.4	301	294	300	-2.3	2.0	689	694	761	.7	9.7
PHARMACOLOGY	1,564	1,651	1,689	5.6	2.3	470	456	431	-3.0	-5.5	1,094	1,195	1,258	9.2	5.3
PHYSIOLOGY	2,276	2,229	2,106	-2.1	-5.5	685	592	577	-13.6	-2.5	1,591	1,637	1,529	2.9	-6.6
ZOOLOGY	3,445	3,189	3,000	-7.4	-5.9	930	876	779	-5.8	-11.1	2,515	2,313	2,221	-8.0	-4.0
BIOSCIENCES, NEC.	864	1,081	1,119	25.1	3.5	302	373	365	23.5	-2.1	562	708	754	26.0	6.5
HEALTH SCIENCES	12,895	13,374	15,545	3.7	16.2	5,752	6,075	6,902	5.6	13.6	7,143	7,299	8,643	2.2	18.4
ANESTHESIOLOGY	53	2	2	-96.2	.0	18	0	2	-100.0	**	35	2	0	-94.3	-100.0
CARDIOLOGY	33	16	5	-51.5	-68.8	19	0	1	-100.0	**	14	16	4	14.3	-75.0
CLINICAL PHARMACOLOGY ..	4	24	5	500.0	-79.2	4	7	4	75.0	-42.9	0	17	1	**	-94.1
DENTISTRY	418	425	435	1.7	2.4	129	161	155	24.8	-3.7	289	264	280	-8.7	6.1
ENDOCRINOLOGY	45	37	42	-17.8	13.5	9	13	12	44.4	-7.7	36	24	30	-33.3	25.0
GASTROENTEROLOGY	16	8	8	-50.0	.0	7	4	4	-42.9	.0	9	4	4	-55.6	.0
HEMATOLOGY	5	4	5	-20.0	25.0	5	2	0	-60.0	-100.0	0	2	5	**	150.0
NEUROLOGY	359	337	345	-6.1	2.4	89	74	79	-16.9	6.8	270	263	266	-2.6	1.1
NURSING	1,917	2,725	4,738	42.1	73.9	1,098	1,665	2,439	51.6	46.5	819	1,060	2,299	29.4	116.9
OBSTETRICS/GYNECOLOGY ..	52	56	31	7.7	-44.6	21	22	15	4.8	-31.8	31	34	16	9.7	-52.9
OPHTHALMOLOGY	21	6	9	-71.4	50.0	5	2	0	-60.0	-100.0	16	4	9	-75.0	125.0
OTORHINOLARYNGOLOGY	37	50	53	35.1	6.0	8	15	18	87.5	20.0	29	35	35	20.7	.0
PEDIATRICS	116	89	78	-23.3	-12.4	39	50	53	28.2	6.0	77	39	25	-49.4	-35.9
PHARMACEUTICAL SCIENCES	2,114	2,016	2,094	-4.6	3.9	699	669	680	-4.3	1.6	1,415	1,347	1,414	-4.8	5.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,981	3,332	3,172	11.8	-4.8	1,615	1,755	1,670	8.7	-4.8	1,366	1,577	1,502	15.4	-4.8
PSYCHIATRY	307	246	209	-19.9	-15.0	72	60	29	-16.7	-51.7	235	186	180	-20.9	-3.2
PULMONARY DISEASE	9	2	17	-77.8	750.0	5	0	9	-100.0	**	4	2	8	-50.0	300.0
RADIOLOGY	266	172	222	-35.3	29.1	96	60	74	-37.5	23.3	170	112	148	-34.1	32.1
SPEECH PATH/AUDIOLOGY ..	2,518	2,243	2,493	-10.9	11.1	1,233	981	1,064	-20.4	8.5	1,285	1,262	1,429	-1.8	13.2
SURGERY	116	94	83	-19.0	-11.7	32	28	18	-12.5	-35.7	84	66	65	-21.4	-1.5
VETERINARY SCIENCES	571	620	686	8.6	10.6	200	215	228	7.5	6.0	371	405	458	9.2	13.1
CLINICAL MEDICINE, NEC.	332	303	311	-8.7	2.6	152	118	135	-22.4	14.4	180	185	176	2.8	-4.9
HEALTH RELATED, NEC. ...	605	567	502	-6.3	-11.5	197	174	213	-11.7	22.4	408	393	289	-3.7	-26.5
PSYCHOLOGY	24,266	25,996	25,490	7.1	-1.9	6,384	6,468	6,420	1.3	-.7	17,882	19,528	19,070	9.2	-2.3
SOCIAL SCIENCES	57,646	52,415	53,002	-.4	1.1	16,851	16,389	17,289	-2.7	5.5	35,795	36,026	35,713	.6	-.9
AGRICULTURAL ECONOMICS .	1,919	1,972	2,036	2.8	3.2	655	708	713	8.1	.7	1,264	1,264	1,323	.0	4.7
ANTHROPOLOGY	5,428	5,362	5,355	-1.2	-.1	1,199	1,287	1,260	7.3	-2.1	4,229	4,075	4,095	-3.6	.5
ECONOMICS (EXCEPT AGRICULTURAL)	9,080	9,188	9,393	1.2	2.2	2,949	2,826	2,892	-4.2	2.3	6,131	6,362	6,501	3.8	2.2
GEOGRAPHY	2,176	2,261	2,073	3.9	-8.3	655	654	601	-.2	-8.1	1,521	1,607	1,472	5.7	-8.4
HISTORY AND PHILOSOPHY OF SCIENCE	292	310	290	6.2	-6.5	65	79	64	21.5	-19.0	227	231	226	1.8	-2.2
LINGUISTICS	3,341	3,504	3,458	4.9	-1.3	1,240	1,267	1,250	2.2	-1.3	2,101	2,237	2,208	6.5	-1.3
POLITICAL SCIENCE	15,081	14,890	14,974	-1.3	.6	5,015	4,808	5,131	-4.1	6.7	10,066	10,082	9,843	.2	-2.4
SOCIOLOGY	8,718	8,531	7,974	-2.1	-6.5	2,317	2,300	2,208	-.7	-4.0	6,401	6,231	5,766	-2.7	-7.5
SOCIOLOGY/ANTHROPOLOGY .	1,376	1,119	1,021	-18.7	-8.8	474	318	304	-32.9	-4.4	902	801	717	-11.2	-10.5
SOCIAL SCIENCES, NEC. ..	5,235	5,278	6,428	.8	21.8	2,282	2,142	2,866	-6.1	33.8	2,953	3,136	3,562	6.2	13.6

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-19. GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY DIVISION, STATE, AND ENROLLMENT STATUS: 1975-77

DIVISION AND STATE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
UNITED STATES TOTAL........	237665	241059	246655	1.4	2.3	180181	182735	185612	1.4	1.6	57,484	58,324	61,043	1.5	4.7
NEW ENGLAND................	17,734	18,025	18,008	1.6	-.1	14,207	14,782	14,811	4.0	.2	3,527	3,243	3,197	-8.1	-1.4
CONNECTICUT................	2,983	3,257	3,020	9.2	-7.3	2,477	2,726	2,704	10.1	-.8	506	531	316	4.9	-40.5
MAINE......................	229	234	219	2.2	-6.4	204	203	201	-.5	-1.0	25	31	18	24.0	-41.9
MASSACHUSETTS..............	12,177	12,293	12,496	1.0	1.7	9,635	10,007	10,036	3.9	.3	2,542	2,286	2,460	-10.1	7.6
NEW HAMPSHIRE..............	492	491	536	-.2	9.2	462	458	490	-.9	7.0	30	33	46	10.0	39.4
RHODE ISLAND...............	1,519	1,427	1,397	-6.1	-2.1	1,151	1,119	1,125	-2.8	.5	368	308	272	-16.3	-11.7
VERMONT....................	334	323	340	-3.3	5.3	278	269	255	-3.2	-5.2	56	54	85	-3.6	57.4
MIDDLE ATLANTIC............	46,444	45,987	46,810	-1.0	1.8	28,484	28,230	28,563	-.9	1.2	17,960	17,757	18,247	-1.1	2.8
NEW JERSEY.................	6,345	6,107	5,921	-3.8	-3.0	3,080	3,064	2,937	-.5	-4.1	3,265	3,043	2,984	-6.8	-1.9
NEW YORK...................	28,811	27,883	29,016	-3.2	4.1	17,818	17,128	17,599	-3.9	2.7	10,993	10,755	11,417	-2.2	6.2
PENNSYLVANIA...............	11,288	11,997	11,873	6.3	-1.0	7,586	8,038	8,027	6.0	-.1	3,702	3,959	3,846	6.9	-2.9
EAST NORTH CENTRAL.........	45,773	45,751	46,328	*	1.3	37,642	37,515	37,634	-.3	.3	8,131	8,236	8,694	1.3	5.6
ILLINOIS...................	11,837	11,604	12,223	-2.0	5.3	10,125	9,759	9,692	-3.6	-.7	1,712	1,845	2,531	7.8	37.2
INDIANA....................	5,731	5,861	5,701	2.3	-2.7	5,112	5,172	5,082	1.2	-1.7	619	689	619	11.3	-10.2
MICHIGAN...................	10,711	10,422	10,432	-2.7	.1	8,967	8,804	8,808	-1.8	*	1,744	1,618	1,624	-7.2	.4
OHIO.......................	10,769	11,448	11,677	6.3	2.0	7,894	8,596	8,878	8.9	3.3	2,875	2,852	2,799	-.8	-1.9
WISCONSIN..................	6,725	6,416	6,295	-4.6	-1.9	5,544	5,184	5,174	-6.5	-.2	1,181	1,232	1,121	4.3	-9.0
WEST NORTH CENTRAL.........	17,052	17,353	17,207	1.8	-.8	13,730	14,056	13,958	2.4	-.7	3,322	3,297	3,249	-.8	-1.5
IOWA.......................	3,313	3,638	3,655	9.8	.5	2,694	2,908	2,865	7.9	-1.5	619	730	790	17.9	8.2
KANSAS.....................	2,855	2,970	2,813	4.0	-5.3	2,272	2,448	2,418	7.7	-1.2	583	522	395	-10.5	-24.3
MINNESOTA..................	4,814	4,534	4,336	-5.8	-4.4	4,066	3,857	3,692	-5.1	-4.3	748	677	644	-9.5	-4.9
MISSOURI...................	4,345	4,407	4,553	1.4	3.3	3,355	3,411	3,532	1.7	3.5	990	996	1,021	.6	2.5
NEBRASKA...................	1,109	1,119	1,183	.9	5.7	822	858	897	4.4	4.5	287	261	286	-9.1	9.6
NORTH DAKOTA...............	421	469	447	11.4	-4.7	374	413	378	10.4	-8.5	47	56	69	19.1	23.2
SOUTH DAKOTA...............	195	216	220	10.8	1.9	147	161	176	9.5	9.3	48	55	44	14.6	-20.0
SOUTH ATLANTIC.............	32,257	32,671	34,237	1.3	4.8	23,773	23,122	23,812	-2.7	3.0	8,484	9,549	10,425	12.6	9.2
DELAWARE...................	806	811	837	.6	3.2	518	512	575	-1.2	12.3	288	299	262	3.8	-12.4
DISTRICT OF COLUMBIA.......	6,083	6,487	7,885	6.6	21.6	3,317	2,927	3,474	-11.8	18.7	2,766	3,560	4,411	28.7	23.9
FLORIDA....................	5,194	5,165	5,036	-.6	-2.5	4,182	4,238	4,096	1.3	-3.4	1,012	927	940	-8.4	1.4
GEORGIA....................	3,993	3,841	3,756	-3.8	-2.2	3,053	3,004	3,036	-1.6	1.1	940	837	720	-11.0	-14.0
MARYLAND...................	4,994	4,871	4,916	-2.5	.9	3,541	3,031	3,051	-14.4	.7	1,453	1,840	1,865	26.6	1.4
NORTH CAROLINA.............	4,723	4,742	4,901	.4	3.4	4,175	4,207	4,328	.8	2.9	548	535	573	-2.4	7.1
SOUTH CAROLINA.............	1,763	1,865	1,879	5.8	.8	1,305	1,369	1,301	4.9	-5.0	458	496	578	8.3	16.5
VIRGINIA...................	3,722	3,848	4,018	3.4	4.4	2,848	2,960	3,087	3.9	4.3	874	888	931	1.6	4.8
WEST VIRGINIA..............	979	1,041	1,009	6.3	-3.1	834	874	864	4.8	-1.1	145	167	145	15.2	-13.2
EAST SOUTH CENTRAL.........	7,831	8,046	8,383	2.7	4.2	6,245	6,276	6,542	.5	4.2	1,586	1,770	1,841	11.6	4.0
ALABAMA....................	1,494	1,628	1,864	9.0	14.5	1,175	1,201	1,382	2.2	15.1	319	427	482	33.9	12.9
KENTUCKY...................	1,376	1,429	1,487	3.9	4.1	1,132	1,199	1,217	5.9	1.5	244	230	270	-5.7	17.4
MISSISSIPPI................	1,265	1,411	1,377	11.5	-2.4	1,033	1,145	1,125	10.8	-1.7	232	266	252	14.7	-5.3
TENNESSEE..................	3,696	3,578	3,655	-3.2	2.2	2,905	2,731	2,818	-6.0	3.2	791	847	837	7.1	-1.2
WEST SOUTH CENTRAL.........	19,208	19,868	21,750	3.4	9.5	13,571	14,300	14,950	5.4	4.5	5,637	5,568	6,800	-1.2	22.1
ARKANSAS...................	590	627	692	6.3	10.4	500	535	574	7.0	7.3	90	92	118	2.2	28.3
LOUISIANA..................	1,998	2,082	2,251	4.2	8.1	1,512	1,569	1,660	3.8	5.8	486	513	591	5.6	15.2
OKLAHOMA...................	2,929	2,895	3,178	-1.2	9.8	2,118	2,092	2,302	-1.2	10.0	811	803	876	-1.0	9.1
TEXAS......................	13,691	14,264	15,629	4.2	9.6	9,441	10,104	10,414	7.0	3.1	4,250	4,160	5,215	-2.1	25.4
MOUNTAIN...................	15,581	15,963	16,044	2.5	.5	12,445	12,729	12,751	2.3	.2	3,136	3,234	3,293	3.1	1.8
ARIZONA....................	4,266	4,176	4,072	-2.1	-2.5	3,008	3,117	3,003	3.6	-3.7	1,258	1,059	1,069	-15.8	.9
COLORADO...................	5,117	5,363	5,281	4.8	-1.5	4,494	4,537	4,548	1.0	.2	623	826	733	32.6	-11.3
IDAHO......................	595	693	915	16.5	32.0	489	546	577	11.7	5.7	106	147	338	38.7	129.9
MONTANA....................	559	582	580	4.1	-.3	530	563	551	6.2	-2.1	29	19	29	-34.5	52.6
NEVADA.....................	306	330	351	7.8	6.4	246	259	270	5.3	4.2	60	71	81	18.3	14.1
NEW MEXICO.................	1,554	1,520	1,413	-2.2	-7.0	1,009	995	1,031	-1.4	3.6	545	525	382	-3.7	-27.2
UTAH.......................	2,690	2,760	2,967	2.6	7.5	2,225	2,243	2,361	.8	5.3	465	517	606	11.2	17.2
WYOMING....................	494	539	465	9.1	-13.7	444	469	410	5.6	-12.6	50	70	55	40.0	-21.4
PACIFIC....................	35,509	37,065	37,589	4.4	1.4	29,859	31,446	32,322	5.3	2.8	5,650	5,619	5,267	-.5	-6.3
ALASKA.....................	112	175	181	56.3	3.4	98	159	171	62.2	7.5	14	16	10	14.3	-37.5
CALIFORNIA.................	27,551	28,532	28,788	3.6	.9	22,953	24,002	24,599	4.6	2.5	4,598	4,530	4,189	-1.5	-7.5
HAWAII.....................	1,282	1,298	1,316	1.2	1.4	1,177	1,207	1,195	2.5	-1.0	105	91	121	-13.3	33.0
OREGON.....................	2,412	2,554	2,531	5.9	-.9	2,109	2,239	2,249	6.2	.4	303	315	282	4.0	-10.5
WASHINGTON.................	4,152	4,506	4,773	8.5	5.9	3,522	3,839	4,108	9.0	7.0	630	667	665	5.9	-.3
U.S. TERRITORIES...........	276	330	299	19.6	-9.4	225	279	269	24.0	-3.6	51	51	30	.0	-41.2

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-20. FIRST-YEAR GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS: 1975-77

FIELD OF SCIENCE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	81,388	79,344	82,951	-2.5	4.5	62,545	61,425	62,738	-1.8	2.1	18,843	17,919	20,213	-4.9	12.8
ENGINEERING	22,419	21,381	22,946	-4.6	7.3	14,392	14,078	14,370	-2.2	2.1	8,027	7,303	8,576	-9.0	17.4
AERONAUTICAL	642	541	595	-15.7	10.0	505	446	453	-11.7	1.6	137	95	142	-30.7	49.5
AGRICULTURAL	221	243	241	10.0	-.8	196	209	221	6.6	5.7	25	34	20	36.0	-41.2
BIOMEDICAL	301	314	249	4.3	-20.7	281	274	230	-2.5	-16.1	20	40	19	100.0	-52.5
CHEMICAL	1,731	1,886	2,022	9.0	7.2	1,315	1,475	1,597	12.2	8.3	416	411	425	-1.2	3.4
CIVIL	4,272	3,945	4,222	-7.7	7.0	2,922	2,805	2,916	-4.0	4.0	1,350	1,140	1,306	-15.6	14.6
ELECTRICAL	6,627	6,168	7,053	-6.9	14.3	3,409	3,192	3,334	-6.4	4.4	3,218	2,976	3,719	-7.5	25.0
ENGINEERING SCIENCE	559	585	510	4.7	-12.8	454	480	398	5.7	-17.1	105	105	112	.0	6.7
INDUSTRIAL	2,465	2,303	2,505	-6.6	8.8	1,604	1,447	1,489	-9.8	2.9	861	856	1,016	-.6	18.7
MECHANICAL	2,905	2,789	2,915	-4.0	4.5	1,857	1,850	1,851	-.4	.1	1,048	939	1,064	-10.4	13.3
METALLURGICAL/MATERIALS	676	663	737	-1.9	11.2	546	543	569	-.5	4.8	130	120	168	-7.7	40.0
MINING	138	149	98	8.0	-34.2	130	140	89	7.7	-36.4	8	9	9	12.5	.0
NUCLEAR	677	492	442	-27.3	-10.2	529	398	365	-24.8	-8.3	148	94	77	-36.5	-18.1
PETROLEUM	126	201	161	59.5	-19.9	107	191	146	78.5	-23.6	19	10	15	-47.4	50.0
ENGINEERING, NEC.	1,079	1,102	1,196	2.1	8.5	537	628	712	16.9	13.4	542	474	484	-12.5	2.1
PHYSICAL SCIENCES	6,214	6,336	6,372	2.0	.6	5,544	5,652	5,761	1.9	1.9	670	684	611	2.1	-10.7
ASTRONOMY	111	109	129	-1.8	18.3	111	94	117	-15.3	24.5	0	15	12	**	-20.0
CHEMISTRY	3,815	3,934	3,955	3.1	.5	3,349	3,451	3,506	3.0	1.6	466	483	449	3.6	-7.0
PHYSICS	2,288	2,293	2,288	.2	-.2	2,084	2,107	2,138	1.1	1.5	204	186	150	-8.8	-19.4
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	2,784	2,795	2,783	.4	-.4	2,452	2,497	2,496	1.8	*	332	298	287	-10.2	-3.7
ATMOSPHERIC SCIENCES	342	311	309	-9.1	-.6	317	280	288	-11.7	2.9	25	31	21	24.0	-32.3
GEOSCIENCES	1,774	1,833	1,842	3.3	.5	1,619	1,711	1,688	5.7	-1.3	155	122	154	-21.3	26.2
OCEANOGRAPHY	512	499	482	-2.5	-3.4	440	439	416	-.2	-5.2	72	60	66	-16.7	10.0
ENVIRONMENTAL SCIENCES, NEC.	156	152	150	-2.6	-1.3	76	67	104	-11.8	55.2	80	85	46	6.3	-45.9
MATHEMATICAL SCIENCES	6,057	5,471	5,746	-9.7	5.0	4,217	3,890	3,955	-7.8	1.7	1,840	1,581	1,791	-14.1	13.3
COMPUTER SCIENCE	1,964	1,814	2,116	-7.6	16.6	1,296	1,171	1,251	-9.6	6.8	668	643	865	-3.7	34.5
MATHEMATICS AND APPLIED MATHEMATICS	3,502	3,095	3,101	-11.6	.2	2,433	2,260	2,249	-7.1	-.5	1,069	835	852	-21.9	2.0
STATISTICS	591	562	529	-4.9	-5.9	488	459	455	-5.9	-.9	103	103	74	.0	-28.2
LIFE SCIENCES	20,679	20,504	21,395	-.8	4.3	17,761	17,421	17,687	-1.9	1.5	2,918	3,083	3,708	5.7	20.3
AGRICULTURAL SCIENCES	3,470	3,501	3,653	.9	4.3	3,196	3,213	3,325	.5	3.5	274	288	328	5.1	13.9
BIOLOGICAL SCIENCES	11,457	10,928	10,840	-4.6	-.8	10,175	9,645	9,395	-5.2	-2.6	1,282	1,283	1,445	.1	12.6
ANATOMY	320	305	286	-4.7	-6.2	291	289	268	-.7	-7.3	29	16	18	-44.8	12.5
BIOCHEMISTRY	1,020	975	966	-4.4	-.9	939	896	895	-4.6	-.1	81	79	71	-2.5	-10.1
BIOLOGY	3,088	2,853	2,745	-7.6	-3.8	2,543	2,326	2,253	-8.5	-3.1	545	527	492	-3.3	-6.6
BIOMETRY/EPIDEMIOLOGY	233	209	235	-10.3	12.4	202	179	204	-11.4	14.0	31	30	31	-3.2	3.3
BIOPHYSICS	205	140	130	-31.7	-7.1	167	136	126	-18.6	-7.4	38	4	4	-89.5	.0
BOTANY	750	855	792	14.0	-7.4	704	784	735	11.4	-6.3	46	71	57	54.3	-19.7
CELL BIOLOGY	189	145	162	-23.3	11.7	179	136	154	-24.0	13.2	10	9	8	-10.0	-11.1
ECOLOGY	238	210	217	-11.8	3.3	218	187	200	-14.2	7.0	20	23	17	15.0	-26.1
ENTOMOLOGY/PARASITOLOGY	498	417	422	-16.3	1.2	464	378	372	-18.5	-1.6	34	39	50	14.7	28.2
GENETICS	229	226	254	-1.3	12.4	211	204	238	-3.3	16.7	18	22	16	22.2	-27.3
MICROBIOLOGY	1,145	1,111	1,106	-3.0	-.5	1,047	1,001	962	-4.4	-3.9	98	110	144	12.2	30.9
NUTRITION	854	891	1,073	4.3	20.4	765	764	834	-.1	9.2	89	127	239	42.7	88.2
PATHOLOGY	301	294	300	-2.3	2.0	260	271	253	4.2	-6.6	41	23	47	-43.9	104.3
PHARMACOLOGY	470	456	431	-3.0	-5.5	444	429	399	-3.4	-7.0	26	27	32	3.8	18.5
PHYSIOLOGY	685	592	577	-13.6	-2.5	630	545	543	-13.5	-.4	55	47	34	-14.5	-27.7
ZOOLOGY	930	876	779	-5.8	-11.1	847	789	683	-6.8	-13.4	83	87	96	4.8	10.3
BIOSCIENCES, NEC.	302	373	365	23.5	-2.1	264	331	276	25.4	-16.6	38	42	89	10.5	111.9
HEALTH SCIENCES	5,752	6,075	6,902	5.6	13.6	4,390	4,563	4,967	3.9	8.9	1,362	1,512	1,935	11.0	28.0
ANESTHESIOLOGY	18	0	2	-100.0	**	18	0	0	-100.0	**	0	0	2	**	**
CARDIOLOGY	19	0	1	-100.0	**	18	0	1	-100.0	**	1	0	0	-100.0	**
CLINICAL PHARMACOLOGY	4	7	4	75.0	-42.9	3	7	4	133.3	-42.9	1	0	0	-100.0	**
DENTISTRY	129	161	155	24.8	-3.7	117	141	127	20.5	-9.9	12	20	28	66.7	40.0
ENDOCRINOLOGY	9	13	12	44.4	-7.7	9	13	10	44.4	-23.1	0	0	2	**	**
GASTROENTEROLOGY	7	4	4	-42.9	.0	7	4	4	-42.9	.0	0	0	0	**	**
HEMATOLOGY	5	2	0	-60.0	-100.0	5	1	0	-80.0	-100.0	0	1	0	**	-100.0
NEUROLOGY	89	74	79	-16.9	6.8	86	73	79	-15.1	8.2	3	1	0	-66.7	-100.0
NURSING	1,098	1,665	2,439	51.6	46.5	541	897	1,261	65.8	40.6	557	768	1,178	37.9	53.4
OBSTETRICS/GYNECOLOGY	21	22	15	4.8	-31.8	20	20	15	.0	-25.0	1	2	0	100.0	-100.0
OPHTHALMOLOGY	5	2	0	-60.0	-100.0	5	1	0	-80.0	-100.0	0	1	0	**	-100.0
OTORHINOLARYNGOLOGY	8	15	18	87.5	20.0	7	15	18	114.3	20.0	1	0	0	-100.0	**
PEDIATRICS	39	50	53	28.2	6.0	36	45	48	25.0	6.7	3	5	5	66.7	.0
PHARMACEUTICAL SCIENCES	699	669	680	-4.3	1.6	429	404	445	-5.8	10.1	270	265	235	-1.9	-11.3
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,615	1,755	1,670	8.7	-4.8	1,380	1,487	1,406	7.8	-5.4	235	268	264	14.0	-1.5
PSYCHIATRY	72	60	29	-16.7	-51.7	64	55	29	-14.1	-47.3	8	5	0	-37.5	-100.0
PULMONARY DISEASE	5	0	9	-100.0	**	5	0	9	-100.0	**	0	0	0	**	**
RADIOLOGY	96	60	74	-37.5	23.3	82	60	65	-26.8	8.3	14	0	9	-100.0	**
SPEECH PATH/AUDIOLOGY	1,233	981	1,064	-20.4	8.5	1,071	880	952	-17.8	8.2	162	101	112	-37.7	10.9
SURGERY	32	28	18	-12.5	-35.7	29	28	15	-3.4	-46.4	3	0	3	-100.0	**
VETERINARY SCIENCES	200	215	228	7.5	6.0	162	192	189	18.5	-1.6	38	23	39	-39.5	69.6
CLINICAL MEDICINE, NEC.	152	118	135	-22.4	14.4	136	103	110	-24.3	6.8	16	15	25	-6.3	66.7
HEALTH RELATED, NEC.	197	174	213	-11.7	22.4	160	137	180	-14.4	31.4	37	37	33	.0	-10.8
PSYCHOLOGY	6,384	6,468	6,420	1.3	-.7	4,837	5,232	5,120	8.2	-2.1	1,547	1,236	1,300	-20.1	5.2
SOCIAL SCIENCES	16,851	16,389	17,289	-2.7	5.5	13,342	12,655	13,349	-5.1	5.5	3,509	3,734	3,940	6.4	5.5
AGRICULTURAL ECONOMICS	655	708	713	8.1	.7	609	641	653	5.3	1.9	46	67	60	45.7	-10.4
ANTHROPOLOGY	1,199	1,287	1,260	7.3	-2.1	1,028	1,086	1,074	5.6	-1.1	171	201	186	17.5	-7.5
ECONOMICS (EXCEPT AGRICULTURAL)	2,949	2,826	2,892	-4.2	2.3	2,428	2,299	2,333	-5.3	1.5	521	527	559	1.2	6.1
GEOGRAPHY	655	654	601	-.2	-8.1	590	550	522	-6.8	-5.1	65	104	79	60.0	-24.0
HISTORY AND PHILOSOPHY OF SCIENCE	65	79	64	21.5	-19.0	62	73	60	17.7	-17.8	3	6	4	100.0	-33.3
LINGUISTICS	1,240	1,267	1,250	2.2	-1.3	1,060	1,049	1,016	-1.0	-3.1	180	218	234	21.1	7.3
POLITICAL SCIENCE	5,015	4,808	5,131	-4.1	6.7	3,510	3,125	3,507	-11.0	12.2	1,505	1,683	1,624	11.8	-3.5
SOCIOLOGY	2,317	2,300	2,208	-.7	-4.0	1,992	1,949	1,851	-2.2	-5.0	325	351	357	8.0	1.7
SOCIOLOGY/ANTHROPOLOGY	474	318	304	-32.9	-4.4	343	200	195	-41.7	-2.5	131	118	109	-9.9	-7.6
SOCIAL SCIENCES, NEC.	2,282	2,142	2,866	-6.1	33.8	1,720	1,683	2,138	-2.2	27.0	562	459	728	-18.3	58.6

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-21. GRADUATE STUDENTS BEYOND FIRST YEAR IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS: 1975-77

FIELD OF SCIENCE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	156277	161715	163704	3.5	1.2	117636	121310	122874	3.1	1.3	38,641	40,405	40,830	4.6	1.1
ENGINEERING	30,562	31,431	32,089	2.8	2.1	18,887	19,157	19,939	1.4	4.1	11,674	12,274	12,150	5.1	-1.0
AERONAUTICAL	1,086	1,022	1,061	-5.9	3.8	819	812	857	-.9	5.5	267	210	204	-21.3	-2.9
AGRICULTURAL	368	470	487	27.7	3.6	302	380	413	25.8	8.7	66	90	74	36.4	-17.8
BIOMEDICAL	609	562	572	-7.7	1.8	525	442	458	-15.8	3.6	84	120	114	42.9	-5.0
CHEMICAL	2,842	2,852	2,848	.4	-.1	2,062	2,060	2,191	-.1	6.4	780	792	657	1.5	-17.0
CIVIL	5,439	5,257	5,343	-3.3	1.6	3,016	2,790	2,930	-7.5	5.0	2,423	2,467	2,413	1.8	-2.2
ELECTRICAL	7,847	7,943	8,118	1.2	2.2	4,331	4,399	4,570	1.6	3.9	3,516	3,544	3,548	.8	.1
ENGINEERING SCIENCE	1,464	1,426	1,294	-2.6	-9.3	1,096	1,036	932	-5.5	-10.0	368	390	362	6.0	-7.2
INDUSTRIAL	3,003	3,459	3,137	15.2	-9.3	1,683	1,885	1,801	12.0	-4.5	1,320	1,574	1,336	19.2	-15.1
MECHANICAL	3,843	3,855	4,116	.3	6.8	2,176	2,240	2,326	2.9	3.8	1,667	1,615	1,790	-3.1	10.8
METALLURGICAL/MATERIALS	1,689	1,711	1,742	1.3	1.8	1,231	1,299	1,341	5.5	3.2	458	412	401	-10.0	-2.7
MINING	203	207	265	2.0	28.0	163	172	218	5.5	26.7	40	35	47	-12.5	34.3
NUCLEAR	870	1,042	976	19.8	-6.3	675	780	746	15.6	-4.4	195	262	230	34.4	-12.2
PETROLEUM	240	229	276	-4.6	20.5	181	186	217	2.8	16.7	59	43	59	-27.1	37.2
ENGINEERING, NEC.	1,058	1,396	1,854	31.9	32.8	627	676	939	7.8	38.9	431	720	915	67.1	27.1
PHYSICAL SCIENCES	16,871	17,117	17,133	1.5	.1	14,910	15,135	15,162	1.5	.3	1,961	1,982	1,951	1.1	-1.6
ASTRONOMY	480	444	391	-7.5	-11.9	439	406	367	-7.5	-9.6	41	38	24	-7.3	-36.8
CHEMISTRY	9,416	9,678	9,853	2.8	1.8	8,165	8,438	8,545	3.3	1.3	1,251	1,240	1,308	-.9	5.5
PHYSICS	6,973	6,995	6,887	.3	-1.5	6,305	6,291	6,268	-.2	-.4	668	704	619	5.4	-12.1
PHYSICAL SCIENCES, NEC.	2	0	2	-100.0	**	1	0	2	-100.0	**	1	0	0	-100.0	**
ENVIRONMENTAL SCIENCES	6,124	6,570	6,814	7.3	3.7	4,969	5,331	5,505	7.3	3.3	1,155	1,239	1,309	7.3	5.6
ATMOSPHERIC SCIENCES	616	655	643	6.3	-1.8	554	595	568	7.4	-4.5	62	60	75	-3.2	25.0
GEOSCIENCES	3,843	4,152	4,357	8.0	4.9	3,196	3,449	3,579	7.9	3.8	647	703	778	8.7	10.7
OCEANOGRAPHY	1,399	1,445	1,464	3.3	1.3	1,111	1,167	1,219	5.0	4.5	288	278	245	-3.5	-11.9
ENVIRONMENTAL SCIENCES, NEC.	266	318	350	19.5	10.1	108	120	139	11.1	15.8	158	198	211	25.3	6.6
MATHEMATICAL SCIENCES	10,331	10,955	10,332	6.0	-5.7	7,618	8,003	7,638	5.1	-4.6	2,713	2,952	2,694	8.8	-8.7
COMPUTER SCIENCE	2,862	3,282	3,105	14.7	-5.4	1,883	2,129	2,013	13.1	-5.4	979	1,153	1,092	17.8	-5.3
MATHEMATICS AND APPLIED MATHEMATICS	6,317	6,448	5,991	2.1	-7.1	4,837	4,901	4,641	1.3	-5.3	1,480	1,547	1,350	4.5	-12.7
STATISTICS	1,152	1,225	1,236	6.3	.9	898	973	984	8.4	1.1	254	252	252	-.8	.0
LIFE SCIENCES	38,713	40,088	42,553	3.6	6.1	32,364	33,758	34,713	4.3	2.8	6,349	6,330	7,840	-.3	23.9
AGRICULTURAL SCIENCES	6,048	6,531	6,718	8.0	2.9	4,980	5,490	5,601	10.2	2.0	1,068	1,041	1,117	-2.5	7.3
BIOLOGICAL SCIENCES	25,522	26,258	27,192	2.9	3.6	22,218	22,973	23,509	3.4	2.3	3,304	3,285	3,683	-.6	12.1
ANATOMY	750	807	859	7.6	6.4	695	749	775	7.8	3.5	55	58	84	5.5	44.8
BIOCHEMISTRY	2,598	2,675	2,767	3.0	3.4	2,408	2,523	2,618	4.8	3.8	190	152	149	-20.0	-2.0
BIOLOGY	6,372	6,287	6,263	-1.3	-.4	5,102	5,058	5,042	-.9	-.3	1,270	1,229	1,221	-3.2	-.7
BIOMETRY/EPIDEMIOLOGY	424	390	547	-8.0	40.3	357	324	432	-9.2	33.3	67	66	115	-1.5	74.2
BIOPHYSICS	593	554	513	-6.6	-7.4	539	530	494	-1.7	-6.8	54	24	19	-55.6	-20.8
BOTANY	1,855	1,944	2,093	4.8	7.7	1,639	1,741	1,867	6.2	7.2	216	203	226	-6.0	11.3
CELL BIOLOGY	413	420	457	1.7	8.8	403	399	430	-1.0	7.8	10	21	27	110.0	28.6
ECOLOGY	525	608	731	15.8	20.2	459	531	649	15.7	22.2	66	77	82	16.7	6.5
ENTOMOLOGY/PARASITOLOGY	1,001	1,097	1,088	9.6	-.8	870	970	941	11.5	-3.0	131	127	147	-3.1	15.7
GENETICS	566	598	693	5.7	15.9	533	549	654	3.0	19.1	33	49	39	48.5	-20.4
MICROBIOLOGY	2,593	2,770	2,796	6.8	.9	2,332	2,446	2,472	4.9	1.1	261	324	324	24.1	.0
NUTRITION	1,381	1,561	1,862	13.0	19.3	1,219	1,369	1,468	12.3	7.2	162	192	394	18.5	105.2
PATHOLOGY	689	694	761	.7	9.7	596	624	657	4.7	5.3	93	70	104	-24.7	48.6
PHARMACOLOGY	1,094	1,195	1,258	9.2	5.3	1,028	1,110	1,174	8.0	5.8	66	85	84	28.8	-1.2
PHYSIOLOGY	1,591	1,637	1,529	2.9	-6.6	1,450	1,491	1,434	2.8	-3.8	141	146	95	3.5	-34.9
ZOOLOGY	2,515	2,313	2,221	-8.0	-4.0	2,139	2,000	1,872	-6.5	-6.4	376	313	349	-16.8	11.5
BIOSCIENCES, NEC.	562	708	754	26.0	6.5	449	559	530	24.5	-5.2	113	149	224	31.9	50.3
HEALTH SCIENCES	7,143	7,299	8,643	2.2	18.4	5,166	5,295	5,603	2.5	5.8	1,977	2,004	3,040	1.4	51.7
ANESTHESIOLOGY	35	2	0	-94.3	-100.0	35	2	0	-94.3	-100.0	0	0	0	**	**
CARDIOLOGY	14	16	4	14.3	-75.0	14	14	2	.0	-85.7	0	2	2	**	.0
CLINICAL PHARMACOLOGY	0	17	1	**	-94.1	0	17	1	**	-94.1	0	0	0	**	**
DENTISTRY	289	264	280	-8.7	6.1	230	201	191	-12.6	-5.0	59	63	89	6.8	41.3
ENDOCRINOLOGY	36	24	30	-33.3	25.0	36	20	25	-44.4	25.0	0	4	5	**	25.0
GASTROENTEROLOGY	9	4	4	-55.6	.0	5	4	4	-20.0	.0	4	0	0	-100.0	**
HEMATOLOGY	0	2	5	**	150.0	0	2	5	**	150.0	0	0	0	**	**
NEUROLOGY	270	263	266	-2.6	1.1	267	254	257	-4.9	1.2	3	9	9	200.0	.0
NURSING	819	1,060	2,299	29.4	116.9	475	594	928	25.1	56.2	344	466	1,371	35.5	194.2
OBSTETRICS/GYNECOLOGY	31	34	16	9.7	-52.9	30	29	14	-3.3	-51.7	1	5	2	400.0	-60.0
OPHTHALMOLOGY	16	4	9	-75.0	125.0	16	4	7	-75.0	75.0	0	0	2	**	**
OTORHINOLARYNGOLOGY	29	35	35	20.7	.0	26	31	35	19.2	12.9	3	4	0	33.3	-100.0
PEDIATRICS	77	39	25	-49.4	-35.9	63	36	24	-42.9	-33.3	14	3	1	-78.6	-66.7
PHARMACEUTICAL SCIENCES	1,415	1,347	1,414	-4.8	5.0	896	854	908	-4.7	6.3	519	493	506	-5.0	2.6
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,366	1,577	1,502	15.4	-4.8	1,058	1,170	1,116	10.6	-4.6	308	407	386	32.1	-5.2
PSYCHIATRY	235	186	180	-20.9	-3.2	182	162	134	-11.0	-17.3	53	24	46	-54.7	91.7
PULMONARY DISEASE	4	2	8	-50.0	300.0	4	2	8	-50.0	300.0	0	0	0	**	**
RADIOLOGY	170	112	148	-34.1	32.1	135	107	123	-20.7	15.0	35	5	25	-85.7	400.0
SPEECH PATH/AUDIOLOGY	1,285	1,262	1,429	-1.8	13.2	854	932	1,011	9.1	8.5	431	330	418	-23.4	26.7
SURGERY	84	66	65	-21.4	-1.5	78	63	57	-19.2	-9.5	6	3	8	-50.0	166.7
VETERINARY SCIENCES	371	405	458	9.2	13.1	291	313	367	7.6	17.3	80	92	91	15.0	-1.1
CLINICAL MEDICINE, NEC.	180	185	176	2.8	-4.9	154	159	150	3.2	-5.7	26	26	26	.0	.0
HEALTH RELATED, NEC.	408	393	289	-3.7	-26.5	317	325	236	2.5	-27.4	91	68	53	-25.3	-22.1
PSYCHOLOGY	17,882	19,528	19,070	9.2	-2.3	13,166	14,708	14,440	11.7	-1.8	4,716	4,820	4,630	2.2	-3.9
SOCIAL SCIENCES	35,795	36,026	35,713	.6	-.9	25,722	25,218	25,457	-2.0	.9	10,073	10,808	10,256	7.3	-5.1
AGRICULTURAL ECONOMICS	1,264	1,264	1,323	.0	4.7	1,099	1,117	1,140	1.6	2.1	165	147	183	-10.9	24.5
ANTHROPOLOGY	4,229	4,075	4,095	-3.6	.5	3,260	3,213	3,252	-1.4	1.2	969	862	843	-11.0	-2.2
ECONOMICS (EXCEPT AGRICULTURAL)	6,131	6,362	6,501	3.8	2.2	4,508	4,448	4,671	-1.3	5.0	1,623	1,914	1,830	17.9	-4.4
GEOGRAPHY	1,521	1,607	1,472	5.7	-8.4	1,125	1,182	1,078	5.1	-8.8	396	425	394	7.3	-7.3
HISTORY AND PHILOSOPHY OF SCIENCE	227	231	226	1.8	-2.2	197	197	197	.0	.0	30	34	29	13.3	-14.7
LINGUISTICS	2,101	2,237	2,208	6.5	-1.3	1,688	1,815	1,717	7.5	-5.4	413	422	491	2.2	16.4
POLITICAL SCIENCE	10,066	10,082	9,843	.2	-2.4	6,146	5,596	5,733	-8.9	2.4	3,920	4,486	4,110	14.4	-8.4
SOCIOLOGY	6,401	6,231	5,766	-2.7	-7.5	4,755	4,774	4,498	.4	-5.8	1,646	1,457	1,268	-11.5	-13.0
SOCIOLOGY/ANTHROPOLOGY	902	801	717	-11.2	-10.5	567	371	380	-34.6	2.4	335	430	337	28.4	-21.6
SOCIAL SCIENCES, NEC.	2,953	3,136	3,562	6.2	13.6	2,377	2,505	2,791	5.4	11.4	576	631	771	9.5	22.2

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-22. MALE FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND LEVEL OF STUDY: 1975-77

FIELD OF SCIENCE	TOTAL					FIRST YEAR					BEYOND FIRST YEAR				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	138149	136635	135755	-1.1	-0.6	46,855	44,696	44,580	-4.6	-0.3	91,294	91,939	91,175	0.7	-0.8
ENGINEERING	31,698	31,391	32,004	-1.0	2.0	13,599	13,167	13,242	-3.2	.6	18,099	18,224	18,762	.7	3.0
AERONAUTICAL	1,301	1,236	1,279	-5.0	3.5	495	435	436	-12.1	.2	806	801	843	-.6	5.2
AGRICULTURAL	491	564	595	14.9	5.5	195	195	203	.0	4.1	296	369	392	24.7	6.2
BIOMEDICAL	755	661	613	-12.5	-7.3	258	244	196	-5.4	-19.7	497	417	417	-16.1	.0
CHEMICAL	3,185	3,274	3,451	2.8	5.4	1,199	1,335	1,427	11.3	6.9	1,986	1,939	2,024	-2.4	4.4
CIVIL	5,631	5,302	5,463	-5.8	3.0	2,763	2,646	2,706	-4.2	2.3	2,868	2,656	2,757	-7.4	3.8
ELECTRICAL	7,522	7,314	7,547	-2.8	3.2	3,316	3,065	3,159	-7.6	3.1	4,206	4,249	4,388	1.0	3.3
ENGINEERING SCIENCE	1,481	1,429	1,259	-3.5	-11.9	423	444	370	5.0	-16.7	1,058	985	889	-6.9	-9.7
INDUSTRIAL	2,943	2,931	2,884	-.4	-1.6	1,417	1,255	1,294	-11.4	3.1	1,526	1,676	1,590	9.8	-5.1
MECHANICAL	3,936	3,998	4,068	1.6	1.8	1,801	1,801	1,795	.0	-.3	2,135	2,197	2,273	2.9	3.5
METALLURGICAL/MATERIALS	1,684	1,735	1,769	3.0	2.0	511	503	507	-1.6	.8	1,173	1,232	1,262	5.0	2.4
MINING	277	295	289	6.5	-2.0	122	128	81	4.9	-36.7	155	167	208	7.7	24.6
NUCLEAR	1,159	1,131	1,066	-2.4	-5.7	513	380	348	-25.9	-8.4	646	751	718	16.3	-4.4
PETROLEUM	282	366	350	29.8	-4.4	104	184	138	76.9	-25.0	178	182	212	2.2	16.5
ENGINEERING, NEC.	1,051	1,155	1,371	9.9	18.7	482	552	582	14.5	5.4	569	603	789	6.0	30.8
PHYSICAL SCIENCES	17,930	18,043	18,077	.6	.2	4,756	4,757	4,833	*	1.6	13,174	13,286	13,244	.9	-.3
ASTRONOMY	495	451	428	-8.9	-5.1	101	80	99	-20.8	23.7	394	371	329	-5.8	-11.3
CHEMISTRY	9,593	9,797	9,877	2.1	.8	2,727	2,757	2,777	1.1	.7	6,866	7,040	7,100	2.5	.9
PHYSICS	7,841	7,795	7,772	-.6	-.3	1,928	1,920	1,957	-.4	1.9	5,913	5,875	5,815	-.6	-1.0
PHYSICAL SCIENCES, NEC.	1	0	0	-100.0	**	0	0	0	**	**	1	0	0	-100.0	**
ENVIRONMENTAL SCIENCES	6,455	6,637	6,691	2.8	.8	2,101	2,041	2,014	-2.9	-1.3	4,354	4,596	4,677	5.6	1.8
ATMOSPHERIC SCIENCES	814	800	783	-1.7	-2.1	301	251	261	-16.6	4.0	513	549	522	7.0	-4.9
GEOSCIENCES	4,116	4,330	4,379	5.2	1.1	1,352	1,387	1,356	2.6	-2.2	2,764	2,943	3,023	6.5	2.7
OCEANOGRAPHY	1,379	1,365	1,356	-1.0	-.7	392	358	333	-8.7	-7.0	987	1,007	1,023	2.0	1.6
ENVIRONMENTAL SCIENCES, NEC.	146	142	173	-2.7	21.8	56	45	64	-19.6	42.2	90	97	109	7.8	12.4
MATHEMATICAL SCIENCES	9,597	9,593	9,332	*	-2.7	3,257	3,053	3,111	-6.3	1.9	6,340	6,540	6,221	3.2	-4.9
COMPUTER SCIENCE	2,730	2,812	2,780	3.0	-1.1	1,099	982	1,055	-10.6	7.4	1,631	1,830	1,725	12.2	-5.7
MATHEMATICS AND APPLIED MATHEMATICS	5,804	5,685	5,443	-2.1	-4.3	1,795	1,723	1,717	-4.0	-.3	4,009	3,962	3,726	-1.2	-6.0
STATISTICS	1,063	1,095	1,109	3.1	1.2	363	348	339	-4.1	-2.6	700	748	770	6.9	2.9
LIFE SCIENCES	35,288	34,702	34,285	-1.7	-1.2	11,659	10,746	10,498	-7.8	-2.3	23,629	23,956	23,787	1.4	-.7
AGRICULTURAL SCIENCES	7,084	7,343	7,329	3.7	-.2	2,676	2,588	2,647	-3.3	2.3	4,408	4,755	4,682	7.9	-1.5
BIOLOGICAL SCIENCES	23,019	22,557	22,256	-2.0	-1.3	6,967	6,299	6,016	-9.6	-4.5	16,052	16,258	16,240	1.3	-.1
ANATOMY	693	712	697	2.7	-2.1	196	208	179	6.1	-13.9	497	504	518	1.4	2.8
BIOCHEMISTRY	2,523	2,504	2,514	-.8	.4	678	612	644	-9.7	5.2	1,845	1,892	1,870	2.5	-1.2
BIOLOGY	5,393	4,988	4,887	-7.5	-2.0	1,769	1,520	1,440	-14.1	-5.3	3,624	3,468	3,447	-4.3	-.6
BIOMETRY/EPIDEMIOLOGY	351	307	405	-12.5	31.9	138	102	135	-26.1	32.4	213	205	270	-3.8	31.7
BIOPHYSICS	571	535	492	-6.3	-8.0	133	103	98	-22.6	-4.9	438	432	394	-1.4	-8.8
BOTANY	1,684	1,753	1,809	4.1	3.2	468	526	478	12.4	-9.1	1,216	1,227	1,331	.9	8.5
CELL BIOLOGY	402	369	388	-8.2	5.1	117	95	96	-18.8	1.1	285	274	292	-3.9	6.6
ECOLOGY	492	515	623	4.7	21.0	148	127	133	-14.2	4.7	344	388	490	12.8	26.3
ENTOMOLOGY/PARASITOLOGY	1,155	1,155	1,084	.0	-6.1	403	305	286	-24.3	-6.2	752	850	798	13.0	-6.1
GENETICS	455	435	516	-4.4	18.6	130	109	134	-16.2	22.9	325	326	382	.3	17.2
MICROBIOLOGY	2,261	2,218	2,199	-1.9	-.9	675	614	577	-9.0	-6.0	1,586	1,604	1,622	1.1	1.1
NUTRITION	1,044	1,118	1,085	7.1	-3.0	354	341	349	-3.7	2.3	690	777	736	12.6	-5.3
PATHOLOGY	618	603	609	-2.4	1.0	190	161	168	-15.3	4.3	428	442	441	3.3	-.2
PHARMACOLOGY	1,127	1,146	1,149	1.7	.3	324	306	280	-5.6	-8.5	803	840	869	4.6	3.5
PHYSIOLOGY	1,586	1,551	1,485	-2.2	-4.3	457	401	397	-12.3	-1.0	1,129	1,150	1,088	1.9	-5.4
ZOOLOGY	2,183	2,070	1,799	-5.2	-13.1	601	559	453	-7.0	-19.0	1,582	1,511	1,346	-4.5	-10.9
BIOSCIENCES, NEC.	481	578	515	20.2	-10.9	186	210	169	12.9	-19.5	295	368	346	24.7	-6.0
HEALTH SCIENCES	5,185	4,802	4,700	-7.4	-2.1	2,016	1,859	1,835	-7.8	-1.3	3,169	2,943	2,865	-7.1	-2.7
ANESTHESIOLOGY	32	0	0	-100.0	**	7	0	0	-100.0	**	25	0	0	-100.0	**
CARDIOLOGY	26	12	2	-53.8	-83.3	15	0	1	-100.0	**	11	12	1	9.1	-91.7
CLINICAL PHARMACOLOGY	2	21	4	950.0	-81.0	2	6	4	200.0	-33.3	0	15	0	**	-100.0
DENTISTRY	278	264	246	-5.0	-6.8	98	108	101	10.2	-6.5	180	156	145	-13.3	-7.1
ENDOCRINOLOGY	31	22	23	-29.0	4.5	5	9	5	80.0	-44.4	26	13	18	-50.0	38.5
GASTROENTEROLOGY	12	8	8	-33.3	.0	7	4	4	-42.9	.0	5	4	4	-20.0	.0
HEMATOLOGY	3	1	2	-66.7	100.0	3	1	0	-66.7	-100.0	0	0	2	**	**
NEUROLOGY	275	236	238	-14.2	.8	63	43	48	-31.7	11.6	212	193	190	-9.0	-1.6
NURSING	36	51	99	41.7	94.1	14	22	65	57.1	195.5	22	29	34	31.8	17.2
OBSTETRICS/GYNECOLOGY	36	35	19	-2.8	-45.7	12	13	10	8.3	-23.1	24	22	9	-8.3	-59.1
OPHTHALMOLOGY	18	3	3	-83.3	.0	4	1	0	-75.0	-100.0	14	2	3	-85.7	50.0
OTORHINOLARYNGOLOGY	27	36	32	33.3	-11.1	5	8	7	60.0	-12.5	22	28	25	27.3	-10.7
PEDIATRICS	58	48	24	-17.2	-50.0	20	24	12	20.0	-50.0	38	24	12	-36.8	-50.0
PHARMACEUTICAL SCIENCES	1,085	989	1,039	-8.8	5.1	331	296	319	-10.6	7.8	754	693	720	-8.1	3.9
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,402	1,373	1,327	-2.1	-3.4	723	767	738	6.1	-3.8	679	606	589	-10.8	-2.8
PSYCHIATRY	160	137	101	-14.4	-26.3	30	32	21	6.7	-34.4	130	105	80	-19.2	-23.8
PULMONARY DISEASE	9	2	17	-77.8	750.0	5	0	9	-100.0	**	4	2	8	-50.0	300.0
RADIOLOGY	185	135	157	-27.0	16.3	69	46	54	-33.3	17.4	116	89	103	-23.3	15.7
SPEECH PATH/AUDIOLOGY	549	500	464	-8.9	-7.2	265	174	120	-34.3	-31.0	284	326	344	14.8	5.5
SURGERY	91	77	58	-15.4	-24.7	21	22	12	4.8	-45.5	70	55	46	-21.4	-16.4
VETERINARY SCIENCES	361	385	419	6.6	8.8	121	138	129	14.0	-6.5	240	247	290	2.9	17.4
CLINICAL MEDICINE, NEC.	216	205	199	-5.1	-2.9	101	75	82	-25.7	9.3	115	130	117	13.0	-10.0
HEALTH RELATED, NEC.	293	262	219	-10.6	-16.4	95	70	94	-26.3	34.3	198	192	125	-3.0	-34.9
PSYCHOLOGY	10,375	11,322	10,697	9.1	-5.5	2,613	2,890	2,699	10.6	-6.6	7,762	8,432	7,998	8.6	-5.1
SOCIAL SCIENCES	26,806	24,947	24,669	-6.9	-1.1	8,870	8,042	8,183	-9.3	1.8	17,936	16,905	16,486	-5.7	-2.5
AGRICULTURAL ECONOMICS	1,548	1,585	1,569	2.4	-1.0	541	555	558	2.6	.5	1,007	1,030	1,011	2.3	-1.8
ANTHROPOLOGY	2,380	2,239	2,166	-5.9	-3.3	562	564	518	.4	-8.2	1,818	1,675	1,648	-7.9	-1.6
ECONOMICS (EXCEPT AGRICULTURAL)	5,953	5,674	5,787	-4.7	2.0	2,036	1,883	1,875	-7.5	-.4	3,917	3,791	3,912	-3.2	3.2
GEOGRAPHY	1,308	1,312	1,147	.3	-12.6	415	398	374	-4.1	-6.0	893	914	773	2.4	-15.4
HISTORY AND PHILOSOPHY OF SCIENCE	185	201	183	8.6	-9.0	46	57	42	23.9	-26.3	139	144	141	3.6	-2.1
LINGUISTICS	1,383	1,310	1,271	-5.3	-3.0	528	453	461	-14.2	1.8	855	857	810	.2	-5.5
POLITICAL SCIENCE	7,560	6,602	6,814	-12.7	3.2	2,680	2,268	2,523	-15.4	11.2	4,880	4,334	4,291	-11.2	-1.0
SOCIOLOGY	4,142	3,999	3,636	-3.5	-9.1	1,199	1,110	1,032	-7.4	-7.0	2,943	2,889	2,604	-1.8	-9.9
SOCIOLOGY/ANTHROPOLOGY	514	318	354	-38.1	11.3	177	108	108	-39.0	.0	337	210	246	-37.7	17.1
SOCIAL SCIENCES, NEC.	1,833	1,707	1,742	-6.9	2.1	686	646	692	-5.8	7.1	1,147	1,061	1,050	-7.5	-1.0

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-23. FEMALE FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND LEVEL OF STUDY: 1975-77

FIELD OF SCIENCE	TOTAL					FIRST YEAR					BEYOND FIRST YEAR				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	42,032	46,100	49,857	9.7	8.1	15,690	16,729	18,158	6.6	8.5	26,342	29,371	31,699	11.5	7.9
ENGINEERING	1,581	1,844	2,305	16.6	25.0	793	911	1,128	14.9	23.8	788	933	1,177	18.4	26.2
AERONAUTICAL	23	22	31	-4.3	40.9	10	11	17	10.0	54.5	[illegible]	11	14	-15.4	27.3
AGRICULTURAL	7	25	39	257.1	56.0	1	14	18	1300.0	28.6	[illegible]	11	21	83.3	90.9
BIOMEDICAL	51	55	75	7.8	36.4	23	30	34	30.4	13.3	28	25	41	-10.7	64.0
CHEMICAL	192	261	337	35.9	29.1	116	140	170	20.7	21.4	76	121	167	59.2	38.0
CIVIL	307	293	383	-4.6	30.7	159	159	210	.0	32.1	148	134	173	-9.5	29.1
ELECTRICAL	218	277	357	27.1	28.9	93	127	175	36.6	37.8	125	150	182	20.0	21.3
ENGINEERING SCIENCE	69	87	71	26.1	-18.4	31	36	28	16.1	-22.2	38	51	43	34.2	-15.7
INDUSTRIAL	344	401	406	16.6	1.2	187	192	195	2.7	1.6	157	209	211	33.1	1.0
MECHANICAL	97	92	109	-5.2	18.5	56	49	56	-12.5	14.3	41	43	53	4.9	23.3
METALLURGICAL/MATERIALS	93	107	141	15.1	31.8	35	40	62	14.3	55.0	58	67	79	15.5	17.9
MINING	16	17	18	6.3	5.9	8	12	8	50.0	-33.3	8	5	10	-37.5	100.0
NUCLEAR	45	47	45	4.4	-4.3	16	18	17	12.5	-5.6	29	29	28	.0	-3.4
PETROLEUM	6	11	13	83.3	18.2	3	7	8	133.3	14.3	3	4	5	33.3	25.0
ENGINEERING, NEC.	113	149	280	31.9	87.9	55	76	130	38.2	71.1	58	73	150	25.9	105.5
PHYSICAL SCIENCES	2,524	2,744	2,866	8.7	4.4	788	895	928	13.6	3.7	1,736	1,849	1,938	6.5	4.8
ASTRONOMY	55	49	56	-10.9	14.3	10	14	18	40.0	28.6	45	35	38	-22.2	8.6
CHEMISTRY	1,921	2,092	2,174	8.9	3.9	622	694	729	11.6	5.0	1,299	1,398	1,445	7.6	3.4
PHYSICS	548	603	634	10.0	5.1	156	187	181	19.9	-3.2	392	416	453	6.1	8.9
PHYSICAL SCIENCES, NEC.	0	0	2	**	**	0	0	0	**	**	0	0	2	**	**
ENVIRONMENTAL SCIENCES	966	1,191	1,310	23.3	10.0	351	456	482	29.9	5.7	615	735	828	19.5	12.7
ATMOSPHERIC SCIENCES	57	75	73	31.6	-2.7	16	29	27	81.3	-6.9	41	46	46	12.2	.0
GEOSCIENCES	699	830	888	18.7	7.0	267	324	332	21.3	2.5	432	506	556	17.1	9.9
OCEANOGRAPHY	172	241	279	40.1	15.8	48	81	83	68.8	2.5	124	160	196	29.0	22.5
ENVIRONMENTAL SCIENCES, NEC.	38	45	70	18.4	55.6	20	22	40	10.0	81.8	18	23	30	27.8	30.4
MATHEMATICAL SCIENCES	2,238	2,300	2,261	2.8	-1.7	960	837	844	-12.8	.8	1,278	1,463	1,417	14.5	-3.1
COMPUTER SCIENCE	449	488	484	8.7	-.8	197	189	196	-4.1	3.7	252	299	288	18.7	-3.7
MATHEMATICS AND APPLIED MATHEMATICS	1,466	1,476	1,447	.7	-2.0	638	537	532	-15.8	-.9	828	939	915	13.4	-2.6
STATISTICS	323	336	330	4.0	-1.8	125	111	116	-11.2	4.5	198	225	214	13.6	-4.9
LIFE SCIENCES	14,837	16,477	18,115	11.1	9.9	6,102	6,675	7,189	9.4	7.7	8,735	9,802	10,926	12.2	11.5
AGRICULTURAL SCIENCES	1,092	1,360	1,597	24.5	17.4	520	625	678	20.2	8.5	572	735	919	28.5	25.0
BIOLOGICAL SCIENCES	9,374	10,061	10,648	7.3	5.8	3,208	3,346	3,379	4.3	1.0	6,166	6,715	7,269	8.9	8.3
ANATOMY	293	326	346	11.3	6.1	95	81	89	-14.7	9.9	198	245	257	23.7	4.9
BIOCHEMISTRY	824	915	999	11.0	9.2	261	284	251	8.8	-11.6	563	631	748	12.1	18.5
BIOLOGY	2,252	2,396	2,408	6.4	.5	774	806	813	4.1	.9	1,478	1,590	1,595	7.6	.3
BIOMETRY/EPIDEMIOLOGY	208	196	231	-5.8	17.9	64	77	69	20.3	-10.4	144	119	162	-17.4	36.1
BIOPHYSICS	135	131	128	-3.0	-2.3	34	33	28	-2.9	-15.2	101	98	100	-3.0	2.0
BOTANY	659	772	793	17.1	2.7	236	258	257	9.3	-.4	423	514	536	21.5	4.3
CELL BIOLOGY	180	166	196	-7.8	18.1	62	41	58	-33.9	41.5	118	125	138	5.9	10.4
ECOLOGY	185	203	226	9.7	11.3	70	60	67	-14.3	11.7	115	143	159	24.3	11.2
ENTOMOLOGY/PARASITOLOGY	179	193	229	7.8	18.7	61	73	86	19.7	17.8	118	120	143	1.7	19.2
GENETICS	289	318	376	10.0	18.2	81	95	104	17.3	9.5	208	223	272	7.2	22.0
MICROBIOLOGY	1,118	1,229	1,235	9.9	.5	372	387	385	4.0	-.5	746	842	850	12.9	1.0
NUTRITION	940	1,015	1,217	8.0	19.9	411	423	485	2.9	14.7	529	592	732	11.9	23.6
PATHOLOGY	238	292	301	22.7	3.1	70	110	85	57.1	-22.7	168	182	216	8.3	18.7
PHARMACOLOGY	345	393	424	13.9	7.9	120	123	119	2.5	-3.3	225	270	305	20.0	13.0
PHYSIOLOGY	494	485	492	-1.8	1.4	173	144	146	-16.8	1.4	321	341	346	6.2	1.5
ZOOLOGY	803	719	756	-10.5	5.1	246	230	230	-6.5	.0	557	489	526	-12.2	7.6
BIOSCIENCES, NEC.	232	312	291	34.5	-6.7	78	121	107	55.1	-11.6	154	191	184	24.0	-3.7
HEALTH SCIENCES	4,371	5,056	5,870	15.7	16.1	2,374	2,704	3,132	13.9	15.8	1,997	2,352	2,738	17.8	16.4
ANESTHESIOLOGY	21	2	0	-90.5	-100.0	11	0	0	-100.0	**	10	2	0	-80.0	-100.0
CARDIOLOGY	6	2	1	-66.7	-50.0	3	0	0	-100.0	**	3	2	1	-33.3	-50.0
CLINICAL PHARMACOLOGY	1	3	1	200.0	-66.7	1	1	0	.0	-100.0	0	2	1	**	-50.0
DENTISTRY	69	78	72	13.0	-7.7	19	33	26	73.7	-21.2	50	45	46	-10.0	2.2
ENDOCRINOLOGY	14	11	12	-21.4	9.1	4	4	5	.0	25.0	10	7	7	-30.0	.0
GASTROENTEROLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
HEMATOLOGY	2	2	3	.0	50.0	2	0	0	-100.0	**	0	2	3	**	50.0
NEUROLOGY	78	91	98	16.7	7.7	23	30	31	30.4	3.3	55	61	67	10.9	9.8
NURSING	980	1,440	2,090	46.9	45.1	527	875	1,196	66.0	36.7	453	565	894	24.7	58.2
OBSTETRICS/GYNECOLOGY	14	14	10	.0	-28.6	8	7	5	-12.5	-28.6	6	7	5	16.7	-28.6
OPHTHALMOLOGY	3	2	4	-33.3	100.0	1	0	0	-100.0	**	2	2	4	.0	100.0
OTORHINOLARYNGOLOGY	6	10	21	66.7	110.0	2	7	11	250.0	57.1	4	3	10	-25.0	233.3
PEDIATRICS	41	33	48	-19.5	45.5	16	21	36	31.3	71.4	25	12	12	-52.0	.0
PHARMACEUTICAL SCIENCES	240	269	314	12.1	16.7	98	108	126	10.2	16.7	142	161	188	13.4	16.8
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,036	1,284	1,195	23.9	-6.9	657	720	668	9.6	-7.2	379	564	527	48.8	-6.6
PSYCHIATRY	86	80	62	-7.0	-22.5	34	23	8	-32.4	-65.2	52	57	54	9.6	-5.3
PULMONARY DISEASE	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RADIOLOGY	32	32	31	.0	-3.1	13	14	11	7.7	-21.4	19	18	20	-5.3	11.1
SPEECH PATH/AUDIOLOGY	1,376	1,312	1,499	-4.7	14.3	806	706	832	-12.4	17.8	570	606	667	6.3	10.1
SURGERY	16	14	14	-12.5	.0	8	6	3	-25.0	-50.0	8	8	11	.0	37.5
VETERINARY SCIENCES	92	120	137	30.4	14.2	41	54	60	31.7	11.1	51	66	77	29.4	16.7
CLINICAL MEDICINE, NEC.	74	57	61	-23.0	7.0	35	28	28	-20.0	.0	39	29	33	-25.6	13.8
HEALTH RELATED, NEC.	184	200	197	8.7	-1.5	65	67	86	3.1	28.4	119	133	111	11.8	-16.5
PSYCHOLOGY	7,628	8,618	8,863	13.0	2.8	2,224	2,342	2,421	5.3	3.4	5,404	6,276	6,442	16.1	2.6
SOCIAL SCIENCES	12,258	12,926	14,137	5.4	9.4	4,472	4,613	5,166	3.2	12.0	7,786	8,313	8,971	6.8	7.9
AGRICULTURAL ECONOMICS	160	173	224	8.1	29.5	68	86	95	26.5	10.5	92	87	129	-5.4	48.3
ANTHROPOLOGY	1,908	2,060	2,160	8.0	4.9	466	522	556	12.0	6.5	1,442	1,538	1,604	6.7	4.3
ECONOMICS (EXCEPT AGRICULTURAL)	983	1,073	1,217	9.2	13.4	392	416	458	6.1	10.1	591	657	759	11.2	15.5
GEOGRAPHY	407	420	453	3.2	7.9	175	152	148	-13.1	-2.6	232	268	305	15.5	13.8
HISTORY AND PHILOSOPHY OF SCIENCE	74	69	74	-6.8	7.2	16	16	18	.0	12.5	58	53	56	-8.6	5.7
LINGUISTICS	1,365	1,554	1,462	13.8	-5.9	532	596	555	12.0	-6.9	833	958	907	15.0	-5.3
POLITICAL SCIENCE	2,096	2,119	2,426	1.1	14.5	830	857	984	3.3	14.8	1,266	1,262	1,442	-.3	14.3
SOCIOLOGY	2,605	2,724	2,713	4.6	-.4	793	839	819	5.8	-2.4	1,812	1,885	1,894	4.0	.5
SOCIOLOGY/ANTHROPOLOGY	396	253	221	-36.1	-12.6	166	92	87	-44.6	-5.4	230	161	134	-30.0	-16.8
SOCIAL SCIENCES, NEC.	2,264	2,481	3,187	9.6	28.5	1,034	1,037	1,446	.3	39.4	1,230	1,444	1,741	17.4	20.6

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-24. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND CITIZENSHIP: 1975-77

FIELD OF SCIENCE	TOTAL					U.S. CITIZENS					FOREIGN STUDENTS				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	180181	182735	185612	1.4	1.6	149759	151014	151956	0.8	0.6	30,422	31,721	33,656	4.3	6.1
ENGINEERING	33,279	33,235	34,309	-.1	3.2	22,309	21,577	21,660	-3.3	.4	10,970	11,658	12,649	6.3	8.5
AERONAUTICAL	1,324	1,258	1,310	-5.0	4.1	868	785	778	-9.6	-.9	456	473	532	3.7	12.5
AGRICULTURAL	498	589	634	18.3	7.6	280	276	312	-1.4	13.0	218	313	322	43.6	2.9
BIOMEDICAL	806	716	688	-11.2	-3.9	716	630	587	-12.0	-6.8	90	86	101	-4.4	17.4
CHEMICAL	3,377	3,535	3,788	4.7	7.2	2,078	2,100	2,297	1.1	9.4	1,299	1,435	1,491	10.5	3.9
CIVIL	5,938	5,595	5,846	-5.8	4.5	4,141	3,836	3,818	-7.4	-.5	1,797	1,759	2,028	-2.1	15.3
ELECTRICAL	7,740	7,591	7,904	-1.9	4.1	5,242	4,979	5,015	-5.0	.7	2,498	2,612	2,889	4.6	10.6
ENGINEERING SCIENCE	1,550	1,516	1,330	-2.2	-12.3	1,047	1,028	852	-1.8	-17.1	503	488	478	-3.0	-2.0
INDUSTRIAL	3,287	3,332	3,290	1.4	-1.3	2,258	2,194	2,011	-2.8	-8.3	1,029	1,138	1,279	10.6	12.4
MECHANICAL	4,033	4,090	4,177	1.4	2.1	2,627	2,565	2,598	-2.4	1.3	1,406	1,525	1,579	8.5	3.5
METALLURGICAL/MATERIALS	1,777	1,842	1,910	3.7	3.7	1,066	1,124	1,152	5.4	2.5	711	718	758	1.0	5.6
MINING	293	312	307	6.5	-1.6	166	174	180	4.8	3.4	127	138	127	8.7	-8.0
NUCLEAR	1,2[illegible]	1,178	1,111	-2.2	-5.7	825	815	740	-1.2	-9.2	379	363	371	-4.2	2.2
PETROLEUM	288	377	363	30.9	-3.7	102	132	126	29.4	-4.5	186	245	237	31.7	-3.3
ENGINEERING, NEC.	1,164	1,304	1,651	12.0	26.6	893	939	1,194	5.2	27.2	271	365	457	34.7	25.2
PHYSICAL SCIENCES	20,454	20,787	20,943	1.6	.8	16,239	16,519	16,534	1.7	.1	4,215	4,268	4,409	1.3	3.3
ASTRONOMY	550	500	484	-9.1	-3.2	491	441	424	-10.2	-3.9	59	59	60	.0	1.7
CHEMISTRY	11,514	11,889	12,051	3.3	1.4	9,272	9,543	9,673	2.9	1.4	2,242	2,346	2,378	4.6	1.4
PHYSICS	8,389	8,398	8,406	.1	.1	6,475	6,535	6,435	.9	-1.5	1,914	1,863	1,971	-2.7	5.8
PHYSICAL SCIENCES, NEC.	1	0	2	-100.0	**	1	0	2	-100.0	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	7,421	7,828	8,001	5.5	2.2	6,557	6,919	7,016	5.5	1.4	864	909	985	5.2	8.4
ATMOSPHERIC SCIENCES	871	875	856	.5	-2.2	745	735	729	-1.3	-.8	126	140	127	11.1	-9.3
GEOSCIENCES	4,815	5,160	5,267	7.2	2.1	4,301	4,617	4,668	7.3	1.1	514	543	599	5.6	10.3
OCEANOGRAPHY	1,551	1,606	1,635	3.5	1.8	1,341	1,394	1,393	4.0	-.1	210	212	242	1.0	14.2
ENVIRONMENTAL SCIENCES, NEC.	184	187	243	1.6	29.9	170	173	226	1.8	30.6	14	14	17	.0	21.4
MATHEMATICAL SCIENCES	11,835	11,893	11,593	.5	-2.5	9,429	9,290	8,855	-1.5	-4.7	2,406	2,603	2,738	8.2	5.2
COMPUTER SCIENCE	3,179	3,300	3,264	3.8	-1.1	2,419	2,521	2,511	4.2	-.4	760	779	753	2.5	-3.3
MATHEMATICS AND APPLIED MATHEMATICS	7,270	7,161	6,890	-1.5	-3.8	6,060	5,823	5,430	-3.9	-6.7	1,210	1,338	1,460	10.6	9.1
STATISTICS	1,386	1,432	1,439	3.3	.5	950	946	914	-.4	-3.4	436	486	525	11.5	8.0
LIFE SCIENCES	50,125	51,179	52,400	2.1	2.4	44,262	45,081	46,239	1.9	2.6	5,863	6,098	6,161	4.0	1.0
AGRICULTURAL SCIENCES	8,176	8,703	8,926	6.4	2.6	6,470	6,859	7,084	6.0	3.3	1,706	1,844	1,842	8.1	-.1
BIOLOGICAL SCIENCES	32,393	32,618	32,904	.7	.9	29,142	29,338	29,589	.7	.9	3,251	3,280	3,315	.9	1.1
ANATOMY	986	1,038	1,043	5.3	.5	931	997	993	7.1	-.4	55	41	50	-25.5	22.0
BIOCHEMISTRY	3,347	3,419	3,513	2.2	2.7	2,936	3,026	3,093	3.1	2.2	411	393	420	-4.4	6.9
BIOLOGY	7,645	7,384	7,295	-3.4	-1.2	7,146	6,914	6,815	-3.2	-1.4	499	470	480	-5.8	2.1
BIOMETRY/EPIDEMIOLOGY	559	503	636	-10.0	26.4	498	439	553	-11.8	26.0	61	64	83	4.9	29.7
BIOPHYSICS	706	666	620	-5.7	-6.9	608	586	524	-3.6	-10.6	98	80	96	-18.4	20.0
BOTANY	2,343	2,525	2,602	7.8	3.0	2,028	2,202	2,296	8.6	4.3	315	323	306	2.5	-5.3
CELL BIOLOGY	582	535	584	-8.1	9.2	524	481	529	-8.2	10.0	58	54	55	-6.9	1.9
ECOLOGY	677	718	849	6.1	18.2	634	682	800	7.6	17.3	43	36	49	-16.3	36.1
ENTOMOLOGY/PARASITOLOGY	1,334	1,348	1,313	1.0	-2.6	1,105	1,106	1,081	.1	-2.3	229	242	232	5.7	-4.1
GENETICS	744	753	692	1.2	18.5	658	663	788	.8	18.9	86	90	104	4.7	15.6
MICROBIOLOGY	3,379	3,447	3,434	2.0	-.4	3,084	3,161	3,166	2.5	.2	295	286	268	-3.1	-6.3
NUTRITION	1,984	2,133	2,302	7.5	7.9	1,445	1,578	1,708	9.2	8.2	539	555	594	3.0	7.0
PATHOLOGY	856	895	910	4.6	1.7	757	780	788	3.0	1.0	99	115	122	16.2	6.1
PHARMACOLOGY	1,472	1,539	1,573	4.6	2.2	1,312	1,390	1,422	5.9	2.3	160	149	151	-6.9	1.3
PHYSIOLOGY	2,080	2,036	1,977	-2.1	-2.9	1,965	1,896	1,855	-3.5	-2.2	115	140	122	21.7	-12.9
ZOOLOGY	2,986	2,789	2,555	-6.6	-8.4	2,880	2,661	2,436	-7.6	-8.5	106	128	119	20.8	-7.0
BIOSCIENCES, NEC.	713	890	806	24.8	-9.4	631	776	742	23.0	-4.4	82	114	64	39.0	-43.9
HEALTH SCIENCES	9,556	9,858	10,570	3.2	7.2	8,650	8,884	9,566	2.7	7.7	906	974	1,004	7.5	3.1
ANESTHESIOLOGY	53	2	0	-96.2	-100.0	50	2	0	-96.0	-100.0	3	0	0	-100.0	**
CARDIOLOGY	32	14	3	-56.3	-78.6	26	14	3	-46.2	-78.6	6	0	0	-100.0	**
CLINICAL PHARMACOLOGY	3	24	5	700.0	-79.2	3	24	5	700.0	-79.2	0	0	0	**	**
DENTISTRY	347	342	318	-1.4	-7.0	337	300	289	-11.0	-3.7	10	42	29	320.0	-31.0
ENDOCRINOLOGY	45	33	35	-26.7	6.1	41	28	32	-31.7	14.3	4	5	3	25.0	-40.0
GASTROENTEROLOGY	12	8	8	-33.3	.0	11	8	8	-27.3	.0	1	0	0	-100.0	**
HEMATOLOGY	5	3	5	-40.0	66.7	5	3	5	-40.0	66.7	0	0	0	**	**
NEUROLOGY	353	327	336	-7.4	2.8	320	308	312	-3.7	1.3	33	19	24	-42.4	26.3
NURSING	1,016	1,491	2,189	46.8	46.8	997	1,455	2,096	45.9	44.1	19	36	93	89.5	158.3
OBSTETRICS/GYNECOLOGY	50	49	29	-2.0	-40.8	42	41	24	-2.4	-41.5	8	8	5	.0	-37.5
OPHTHALMOLOGY	21	5	7	-76.2	40.0	19	5	7	-73.7	40.0	2	0	0	-100.0	**
OTORHINOLARYNGOLOGY	33	46	53	39.4	15.2	24	34	49	41.7	44.1	9	12	4	33.3	-66.7
PEDIATRICS	99	81	72	-18.2	-11.1	88	70	61	-20.5	-12.9	11	11	11	.0	.0
PHARMACEUTICAL SCIENCES	1,325	1,258	1,353	-5.1	7.6	959	902	981	-5.9	8.8	366	356	372	-2.7	4.5
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	2,438	2,657	2,522	9.0	-5.1	2,276	2,449	2,330	7.6	-4.9	162	208	192	28.4	-7.7
PSYCHIATRY	246	217	163	-11.8	-24.9	244	211	158	-13.5	-25.1	2	6	5	200.0	-16.7
PULMONARY DISEASE	9	2	17	-77.8	750.0	9	2	17	-77.8	750.0	0	0	0	**	**
RADIOLOGY	217	167	188	-23.0	12.6	196	146	164	-25.5	12.3	21	21	24	.0	14.3
SPEECH PATH/AUDIOLOGY	1,925	1,812	1,963	-5.9	8.3	1,877	1,771	1,918	-5.6	8.3	48	41	45	-14.6	9.8
SURGERY	107	91	72	-15.0	-20.9	91	75	65	-17.6	-13.3	16	16	7	.0	-56.3
VETERINARY SCIENCES	453	505	556	11.5	10.1	352	389	424	10.5	9.0	101	116	132	14.9	13.8
CLINICAL MEDICINE, NEC.	290	262	260	-9.7	-.8	251	233	223	-7.2	-4.3	39	29	37	-25.6	27.6
HEALTH RELATED, NEC.	477	462	416	-3.1	-10.0	432	414	395	-4.2	-4.6	45	48	21	6.7	-56.3
PSYCHOLOGY	18,003	19,940	19,560	10.8	-1.9	17,445	19,387	18,978	11.1	-2.1	558	553	582	-.9	5.2
SOCIAL SCIENCES	39,064	37,873	38,[illegible]06	-3.0	2.5	33,518	32,241	32,674	-3.8	1.3	5,546	5,632	6,132	1.6	8.9
AGRICULTURAL ECONOMICS	1,708	1,758	1,[illegible]93	2.9	2.0	1,106	1,198	1,190	8.3	-.7	602	560	603	-7.0	7.7
ANTHROPOLOGY	4,288	4,299	4,[illegible]26	.3	.6	4,046	4,058	4,055	.3	-.1	242	241	271	-.4	12.4
ECONOMICS (EXCEPT AGRICULTURAL)	6,936	6,747	7,[illegible]04	-2.7	3.8	4,922	4,460	4,552	-9.4	2.1	2,014	2,287	2,452	13.6	7.2
GEOGRAPHY	1,715	1,732	1,600	1.0	-7.6	1,503	1,521	1,383	1.2	-9.1	212	211	217	-.5	2.8
HISTORY AND PHILOSOPHY OF SCIENCE	259	270	257	4.2	-4.8	234	246	232	5.1	-5.7	25	24	25	-4.0	4.2
LINGUISTICS	2,748	2,864	2,733	4.2	-4.6	2,336	2,436	2,279	4.3	-6.4	412	428	454	3.9	6.1
POLITICAL SCIENCE	9,656	8,721	9,240	-9.7	6.0	8,547	7,747	8,062	-9.4	4.1	1,109	974	1,178	-12.2	20.9
SOCIOLOGY	6,747	6,723	6,349	-.4	-5.6	6,008	5,973	5,602	-.6	-6.2	739	750	747	1.5	-.4
SOCIOLOGY/ANTHROPOLOGY	910	571	579	-37.3	.7	835	514	498	-38.4	-3.1	75	57	77	-24.0	35.1
SOCIAL SCIENCES, NEC.	4,097	4,188	4,929	2.2	17.7	3,981	4,088	4,821	2.7	17.9	116	100	108	-13.8	8.0

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-23. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS,
BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1975-77

FIELD OF SCIENCE	FELLOWSHIPS AND TRAINEESHIPS					RESEARCH ASSISTANTSHIPS				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	34,337	32,941	33,681	-4.1	2.2	37,497	39,934	41,039	6.5	2.8
ENGINEERING	4,385	4,465	4,383	1.8	-1.8	10,457	10,892	11,413	4.2	4.8
AERONAUTICAL	151	157	144	4.0	-8.3	566	533	560	-5.8	5.1
AGRICULTURAL	73	64	90	-12.3	40.6	275	276	301	.4	9.1
BIOMEDICAL	189	176	134	-6.9	-23.9	183	175	164	-4.4	-6.3
CHEMICAL	673	721	775	7.1	7.5	1,319	1,366	1,407	3.6	3.0
CIVIL	891	783	720	-12.1	-8.0	1,626	1,760	1,862	8.2	5.8
ELECTRICAL	755	754	767	-.1	1.7	2,098	2,069	2,340	-1.4	13.1
ENGINEERING SCIENCE	150	142	153	-5.3	7.7	595	598	506	.5	-15.4
INDUSTRIAL	290	281	321	-3.1	14.2	507	557	543	9.9	-2.5
MECHANICAL	431	419	411	-2.8	-1.9	1,303	1,468	1,487	12.7	1.3
METALLURGICAL/MATERIALS	217	279	255	28.6	-8.6	1,087	1,120	1,130	3.0	.9
MINING	78	134	131	71.8	-2.2	104	116	112	11.5	-3.4
NUCLEAR	285	268	201	-6.0	-25.0	449	455	481	1.3	5.7
PETROLEUM	84	147	123	75.0	-16.3	93	104	128	11.8	23.1
ENGINEERING, NEC.	118	140	158	18.6	12.9	252	295	392	17.1	32.9
PHYSICAL SCIENCES	2,259	2,328	2,479	3.1	6.5	6,324	6,667	6,683	5.4	.2
ASTRONOMY	92	92	94	.0	2.2	209	209	196	.0	-6.2
CHEMISTRY	1,304	1,342	1,398	2.9	4.2	3,140	3,424	3,499	9.0	2.2
PHYSICS	863	894	987	3.6	10.4	2,975	3,034	2,988	2.0	-1.5
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	816	890	1,051	9.1	18.1	2,590	2,907	2,951	12.2	1.5
ATMOSPHERIC SCIENCES	76	79	58	3.9	-26.6	454	477	481	5.1	.8
GEOSCIENCES	576	653	855	13.4	30.9	1,262	1,507	1,518	19.4	.7
OCEANOGRAPHY	135	120	120	-11.1	.0	814	854	855	4.9	.1
ENVIRONMENTAL SCIENCES, NEC.	29	38	18	31.0	-52.6	60	69	97	15.0	40.6
MATHEMATICAL SCIENCES	1,213	1,201	1,195	-1.0	-.5	1,270	1,318	1,332	3.8	1.1
COMPUTER SCIENCE	275	270	260	-1.8	-3.7	649	680	685	4.8	.7
MATHEMATICS AND APPLIED MATHEMATICS	761	766	794	.7	3.7	362	363	356	.3	-1.9
STATISTICS	177	165	141	-6.8	-14.5	259	275	291	6.2	5.8
LIFE SCIENCES	13,752	12,491	13,142	-9.2	5.2	10,634	11,928	12,293	12.2	3.1
AGRICULTURAL SCIENCES	926	764	779	-17.5	2.0	3,619	3,872	4,018	7.0	3.8
BIOLOGICAL SCIENCES	8,652	7,983	8,124	-7.7	1.8	6,319	7,188	7,380	13.8	2.7
ANATOMY	361	297	303	-17.7	2.0	58	80	95	37.9	18.8
BIOCHEMISTRY	1,267	1,220	1,158	-3.7	-5.1	994	1,166	1,225	17.3	5.1
BIOLOGY	1,581	1,436	1,515	-9.2	5.5	756	937	870	23.9	-7.2
BIOMETRY/EPIDEMIOLOGY	291	246	285	-15.5	15.9	61	79	83	29.5	5.1
BIOPHYSICS	358	321	306	-10.3	-4.7	180	183	173	1.7	-5.5
BOTANY	202	204	218	1.0	6.9	731	828	883	13.3	6.6
CELL BIOLOGY	294	265	327	-9.9	23.4	84	114	122	35.7	7.0
ECOLOGY	79	84	103	6.3	22.6	153	203	219	32.7	7.9
ENTOMOLOGY/PARASITOLOGY	123	113	86	-8.1	-23.9	641	639	647	-.3	1.3
GENETICS	342	296	419	-13.5	41.6	137	157	159	14.6	1.3
MICROBIOLOGY	1,069	1,005	986	-6.0	-1.9	627	706	699	12.6	-1.0
NUTRITION	369	333	351	-9.8	5.4	711	810	894	13.9	10.4
PATHOLOGY	413	378	336	-8.5	-11.1	96	112	97	16.7	-13.4
PHARMACOLOGY	715	717	723	.3	.8	266	274	285	3.0	4.0
PHYSIOLOGY	720	625	607	-13.2	-2.9	295	352	424	19.3	20.5
ZOOLOGY	317	222	216	-30.0	-2.7	470	471	436	.2	-7.4
BIOSCIENCES, NEC.	151	221	185	46.4	-16.3	59	77	69	30.5	-10.4
HEALTH SCIENCES	4,174	3,744	4,239	-10.3	13.2	696	868	895	24.7	3.1
ANESTHESIOLOGY	53	1	0	-98.1	-100.0	0	1	0	**	-100.0
CARDIOLOGY	30	9	3	-70.0	-66.7	2	4	0	100.0	-100.0
CLINICAL PHARMACOLOGY	3	24	5	700.0	-79.2	0	0	0	**	**
DENTISTRY	77	52	30	-32.5	-42.3	5	13	11	160.0	-15.4
ENDOCRINOLOGY	17	13	11	-23.5	-15.4	6	2	3	-66.7	50.0
GASTROENTEROLOGY	11	8	8	-27.3	.0	1	0	0	-100.0	**
HEMATOLOGY	2	0	1	-100.0	**	0	1	4	**	300.0
NEUROLOGY	235	227	202	-3.4	-11.0	49	39	47	-20.4	20.5
NURSING	675	812	1,459	20.3	79.7	3	3	8	.0	166.7
OBSTETRICS/GYNECOLOGY	27	25	20	-7.4	-20.0	11	14	7	27.3	-50.0
OPHTHALMOLOGY	21	5	6	-76.2	20.0	0	0	1	**	**
OTORHINOLARYNGOLOGY	23	31	24	34.8	-22.6	2	7	6	250.0	-14.3
PEDIATRICS	82	62	57	-24.4	-8.1	7	7	2	.0	-71.4
PHARMACEUTICAL SCIENCES	255	223	210	-12.5	-5.8	179	222	244	24.0	9.9
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,305	1,224	1,151	-6.2	-6.0	98	104	81	6.1	-22.1
PSYCHIATRY	140	106	78	-24.3	-26.4	17	24	17	41.2	-29.2
PULMONARY DISEASE	7	0	13	-100.0	**	0	0	1	**	**
RADIOLOGY	73	42	44	-42.5	4.8	62	76	52	22.6	-31.6
SPEECH PATHOLOGY/AUDIOLOGY	480	393	447	-18.1	13.7	80	132	127	65.0	-3.8
SURGERY	83	69	45	-16.9	-34.8	3	8	9	166.7	12.5
VETERINARY SCIENCES	102	97	77	-4.9	-20.6	132	160	231	21.2	44.4
CLINICAL MEDICINE, NEC.	161	112	163	-30.4	45.5	11	30	19	172.7	-36.7
HEALTH RELATED, NEC.	312	209	185	-33.0	-11.5	28	21	25	-25.0	19.0
PSYCHOLOGY	4,306	4,174	4,053	-3.1	-2.9	2,087	2,101	2,168	.7	3.2
SOCIAL SCIENCES	7,606	7,392	7,378	-2.8	-.2	4,135	4,121	4,199	-.3	1.9
AGRICULTURAL ECONOMICS	231	201	308	-13.0	53.2	786	768	817	-2.3	6.4
ANTHROPOLOGY	874	885	812	1.3	-8.2	317	283	336	-10.7	18.7
ECONOMICS (EXCEPT AGRICULTURAL)	1,498	1,424	1,395	-4.9	-2.0	938	969	975	3.3	.6
GEOGRAPHY	226	195	201	-13.7	3.1	173	184	181	6.4	-1.6
HISTORY AND PHILOSOPHY OF SCIENCE	91	90	68	-1.1	-24.4	2	10	12	400.0	20.0
LINGUISTICS	488	481	498	-1.4	3.5	138	166	149	20.3	-10.2
POLITICAL SCIENCE	1,693	1,589	1,559	-6.1	-1.9	707	673	647	-4.8	-3.9
SOCIOLOGY	1,599	1,572	1,379	-1.7	-12.3	788	852	854	8.1	.2
SOCIOLOGY/ANTHROPOLOGY	143	151	104	5.6	-31.1	127	76	65	-40.2	-14.5
SOCIAL SCIENCES, NEC.	763	804	1,054	5.4	31.1	159	140	163	-11.9	16.4

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TABLE D-25. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT: 1975-77

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FIELD OF SCIENCE	TEACHING ASSISTANTSHIPS					OTHER TYPES OF SUPPORT				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	42,436	43,310	43,291	2.1	*	65,911	66,550	67,601	1.0	1.6
ENGINEERING	4,857	5,071	5,208	4.4	2.7	13,580	12,807	13,305	-5.7	3.9
AERONAUTICAL	184	170	162	-7.6	-4.7	423	398	444	-5.9	11.6
AGRICULTURAL	30	42	35	40.0	-16.7	120	207	208	72.5	.5
BIOMEDICAL	73	60	65	-17.8	8.3	361	305	325	-15.5	6.6
CHEMICAL	589	618	665	4.9	7.6	796	830	941	4.3	13.4
CIVIL	672	738	803	9.8	8.8	2,749	2,314	2,461	-15.8	6.4
ELECTRICAL	1,508	1,506	1,454	-.1	-3.5	3,379	3,262	3,343	-3.5	2.5
ENGINEERING SCIENCE	243	276	275	13.6	-.4	562	500	396	-11.0	-20.8
INDUSTRIAL	401	490	478	22.2	-2.4	2,089	2,004	1,948	-4.1	-2.8
MECHANICAL	675	683	777	1.2	13.8	1,624	1,520	1,502	-6.4	-1.2
METALLURGICAL/MATERIALS	189	190	206	.5	8.4	284	253	319	-10.9	26.1
MINING	27	20	26	-25.9	30.0	84	42	38	-50.0	-9.5
NUCLEAR	109	123	103	12.8	-16.3	361	332	326	-8.0	-1.8
PETROLEUM	24	14	26	-41.7	85.7	87	112	86	28.7	-23.2
ENGINEERING, NEC.	133	141	133	6.0	-5.7	661	728	968	10.1	33.0
PHYSICAL SCIENCES	9,658	9,684	9,641	.3	-.4	2,213	2,108	2,140	-4.7	1.5
ASTRONOMY	152	133	136	-12.5	2.3	97	66	58	-32.0	-12.1
CHEMISTRY	6,092	6,198	6,199	1.7	*	978	925	955	-5.4	3.2
PHYSICS	3,414	3,353	3,306	-1.8	-1.4	1,137	1,117	1,125	-1.8	.7
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	1	0	2	-100.0	**
ENVIRONMENTAL SCIENCES	1,655	1,720	1,664	3.9	-3.3	2,360	2,311	2,335	-2.1	1.0
ATMOSPHERIC SCIENCES	84	95	82	13.1	-13.7	257	224	235	-12.8	4.9
GEOSCIENCES	1,406	1,446	1,380	2.8	-4.6	1,571	1,554	1,514	-1.1	-2.6
OCEANOGRAPHY	109	135	144	23.9	6.7	493	497	516	.8	3.8
ENVIRONMENTAL SCIENCES, NEC.	56	44	58	-21.4	31.8	39	36	70	-7.7	94.4
MATHEMATICAL SCIENCES	5,685	5,797	5,588	2.0	-3.6	3,667	3,577	3,478	-2.5	-2.8
COMPUTER SCIENCE	706	788	759	11.6	-3.7	1,549	1,562	1,560	.8	-.1
MATHEMATICS AND APPLIED MATHEMATICS	4,492	4,476	4,308	-.4	-3.8	1,655	1,556	1,432	-6.0	-8.0
STATISTICS	487	533	521	9.4	-2.3	463	459	486	-.9	5.9
LIFE SCIENCES	9,780	10,152	10,192	3.8	.4	15,959	16,608	16,773	4.1	1.0
AGRICULTURAL SCIENCES	724	791	836	9.3	5.7	2,907	3,276	3,293	12.7	.5
BIOLOGICAL SCIENCES	8,060	8,336	8,291	3.4	-.5	9,362	9,111	9,109	-2.7	*
ANATOMY	261	313	313	19.9	.0	306	348	332	13.7	-4.6
BIOCHEMISTRY	544	576	614	5.9	6.6	542	457	516	-15.7	12.9
BIOLOGY	2,647	2,733	2,747	3.2	.5	2,661	2,278	2,163	-14.4	-5.0
BIOMETRY/EPIDEMIOLOGY	31	38	38	22.6	.0	176	140	230	-20.5	64.3
BIOPHYSICS	55	42	36	-23.6	-14.3	113	120	105	6.2	-12.5
BOTANY	786	800	792	1.8	-1.0	624	693	709	11.1	2.3
CELL BIOLOGY	134	92	92	-31.3	.0	70	64	43	-8.6	-32.8
ECOLOGY	169	233	231	37.9	-.9	276	198	296	-28.3	49.5
ENTOMOLOGY/PARASITOLOGY	134	149	140	11.2	-6.0	436	447	440	2.5	-1.6
GENETICS	88	113	133	28.4	17.7	177	187	181	5.6	-3.2
MICROBIOLOGY	839	877	900	4.5	2.6	844	859	849	1.8	-1.2
NUTRITION	179	176	215	-1.7	22.2	725	814	842	12.3	3.4
PATHOLOGY	35	34	53	-2.9	55.9	312	371	424	18.9	14.3
PHARMACOLOGY	195	208	193	6.7	-7.2	296	340	372	14.9	9.4
PHYSIOLOGY	408	426	379	4.4	-11.0	657	633	567	-3.7	-10.4
ZOOLOGY	1,375	1,351	1,248	-1.7	-7.6	824	745	655	-9.6	-12.1
BIOSCIENCES, NEC.	180	175	167	-2.8	-4.6	323	417	385	29.1	-7.7
HEALTH SCIENCES	996	1,025	1,065	2.9	3.9	3,690	4,221	4,371	14.4	3.6
ANESTHESIOLOGY	0	0	0	**	**	0	0	0	**	**
CARDIOLOGY	0	0	0	**	**	0	0	0	**	**
CLINICAL PHARMACOLOGY	0	0	0	**	**	0	1	0	**	-100.0
DENTISTRY	13	46	21	253.8	-54.3	0	0	0	**	**
ENDOCRINOLOGY	5	8	5	60.0	-37.5	252	231	256	-8.3	10.8
GASTROENTEROLOGY	0	0	0	**	**	17	10	16	-41.2	60.0
HEMATOLOGY	0	0	0	**	**	0	0	0	**	**
NEUROLOGY	40	31	21	-22.5	-32.3	3	2	0	-33.3	-100.0
NURSING	9	32	45	255.6	40.6	29	30	66	3.4	120.0
OBSTETRICS/GYNECOLOGY	2	3	0	50.0	-100.0	329	644	677	95.7	5.1
OPHTHALMOLOGY	0	0	0	**	**	10	7	2	-30.0	-71.4
OTORHINOLARYNGOLOGY	0	0	3	**	**	0	0	0	**	**
PEDIATRICS	3	2	0	-33.3	-100.0	8	8	20	.0	150.0
PHARMACEUTICAL SCIENCES	522	501	534	-4.0	6.6	7	10	13	42.9	30.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	30	38	31	26.7	-18.4	369	312	365	-15.4	17.0
PSYCHIATRY	17	24	7	41.2	-70.8	1,005	1,291	1,259	28.5	-2.5
PULMONARY DISEASE	0	0	2	**	**	72	63	61	-12.5	-3.2
RADIOLOGY	3	5	8	66.7	60.0	2	2	1	.0	-50.0
SPEECH PATHOLOGY/AUDIOLOGY	223	191	239	-14.3	25.1	79	44	84	-44.3	90.9
SURGERY	0	0	4	**	**	1,142	1,096	1,150	-4.0	4.9
VETERINARY SCIENCES	90	88	108	-2.2	22.7	21	14	14	-33.3	.0
CLINICAL MEDICINE, NEC.	22	30	26	36.4	-13.3	129	160	140	24.0	-12.5
HEALTH RELATED, NEC.	17	26	11	52.9	-57.7	96	90	52	-6.3	-42.2
						120	206	195	71.7	-5.3
PSYCHOLOGY	3,771	3,768	3,828	-.1	1.6	7,839	9,897	9,511	26.3	-3.9
SOCIAL SCIENCES	7,030	7,118	7,170	1.3	.7	20,293	19,242	20,059	-5.2	4.2
AGRICULTURAL ECONOMICS	64	84	83	31.3	-1.2	627	705	585	12.4	-17.0
ANTHROPOLOGY	802	792	718	-1.2	-9.3	2,295	2,339	2,460	1.9	5.2
ECONOMICS (EXCEPT AGRICULTURAL)	1,743	1,836	1,912	5.3	4.1	2,757	2,518	2,722	-8.7	8.1
GEOGRAPHY	541	532	532	-1.7	.0	775	821	686	5.9	-16.4
HISTORY AND PHILOSOPHY OF SCIENCE	59	67	78	13.6	16.4	107	103	99	-3.7	-3.9
LINGUISTICS	709	712	789	.4	10.8	1,413	1,505	1,297	6.5	-13.8
POLITICAL SCIENCE	1,374	1,379	1,366	.4	-.9	5,882	5,080	5,668	-13.6	11.6
SOCIOLOGY	1,362	1,374	1,385	.9	.8	2,998	2,925	2,731	-2.4	-6.6
SOCIOLOGY/ANTHROPOLOGY	169	182	172	7.7	-5.5	471	162	234	-65.6	44.4
SOCIAL SCIENCES, NEC.	207	160	135	-22.7	-15.6	2,968	3,084	3,577	3.9	16.0

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-24. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL:															
TOTAL, ALL SOURCES........	180181	182735	185612	1.4	1.6	128921	130295	131221	1.1	0.7	51,260	52,440	54,391	2.3	3.7
FEDERAL, TOTAL............	43,268	42,681	44,044	-1.4	3.2	29,831	29,426	29,833	-1.4	1.4	13,437	13,255	14,211	-1.4	7.2
DEPT OF DEFENSE.........	4,525	4,249	4,413	-6.1	3.9	3,157	2,954	3,031	-6.4	2.6	1,368	1,295	1,382	-5.3	6.7
DEPT OF HEW, TOTAL.....	18,174	17,247	17,392	-5.1	.8	12,243	11,583	11,404	-5.4	-1.5	5,931	5,664	5,988	-4.5	5.7
NIH.................	12,044	11,215	10,816	-6.9	-3.6	7,602	7,076	6,832	-6.9	-3.4	4,442	4,139	3,984	-6.8	-3.7
OTHER HEW............	6,130	6,032	6,576	-1.6	9.0	4,641	4,507	4,572	-2.9	1.4	1,489	1,525	2,004	2.4	31.4
NSF.....................	8,673	8,807	8,889	1.5	.9	5,278	5,324	5,505	.9	3.4	3,395	3,483	3,384	2.6	-2.8
ALL OTHER FEDERAL......	11,896	12,378	13,350	4.1	7.9	9,153	9,565	9,893	4.5	3.4	2,743	2,813	3,457	2.6	22.9
INSTITUTIONAL SUPPORT....	68,669	70,655	71,072	2.9	.6	52,196	53,613	53,695	2.7	.2	16,473	17,042	17,377	3.5	2.0
OTHER OUTSIDE SUPPORT, TOTAL.............	15,313	16,148	16,754	5.5	3.8	10,300	10,830	11,071	5.1	2.2	5,013	5,318	5,683	6.1	6.9
ALL OTHER U.S. SOURCES.	10,412	10,348	10,454	-.6	1.0	7,238	7,153	7,061	-1.2	-1.3	3,174	3,195	3,393	.7	6.2
FOREIGN SOURCES........	4,901	5,800	6,300	18.3	8.6	3,062	3,677	4,010	20.1	9.1	1,839	2,123	2,290	15.4	7.9
SELF-SUPPORT.............	52,931	53,251	53,742	.6	.9	36,594	36,426	36,622	-.5	.5	16,337	16,825	17,120	3.0	1.8
FELLOWSHIPS AND TRAINEESHIPS:															
TOTAL, ALL SOURCES........	34,337	32,941	33,681	-4.1	2.2	19,186	18,229	18,030	-5.0	-1.1	15,151	14,712	15,651	-2.9	6.4
FEDERAL, TOTAL............	17,315	15,547	15,816	-10.2	1.7	10,848	9,663	9,440	-10.9	-2.3	6,467	5,884	6,376	-9.0	8.4
DEPT OF DEFENSE.........	440	383	372	-13.0	-2.9	290	276	259	-4.8	-6.2	150	107	113	-28.7	5.6
DEPT OF HEW, TOTAL.....	12,708	11,389	11,677	-10.4	2.5	8,099	7,231	7,086	-10.7	-2.0	4,609	4,158	4,591	-9.8	10.4
NIH.................	7,752	6,442	6,206	-16.9	-3.7	4,417	3,563	3,342	-19.3	-6.2	3,335	2,879	2,864	-13.7	-.5
OTHER HEW............	4,956	4,947	5,471	-.2	10.6	3,682	3,668	3,744	-.4	2.1	1,274	1,279	1,727	.4	35.0
NSF.....................	1,779	1,773	1,799	-.3	1.5	755	733	744	-2.9	1.5	1,024	1,040	1,055	1.6	1.4
ALL OTHER FEDERAL......	2,388	2,002	1,968	-16.2	-1.7	1,704	1,423	1,351	-16.5	-5.1	684	579	617	-15.4	6.6
INSTITUTIONAL SUPPORT....	10,498	10,574	10,736	.7	1.5	4,901	4,883	4,623	-.4	-5.3	5,597	5,691	6,113	1.7	7.4
OTHER OUTSIDE SUPPORT, TOTAL.............	6,524	6,820	7,129	4.5	4.5	3,437	3,683	3,967	7.2	7.7	3,087	3,137	3,162	1.6	.8
ALL OTHER U.S. SOURCES.	3,825	3,709	3,666	-3.0	-1.2	2,004	1,993	1,976	-.5	-.9	1,821	1,716	1,690	-5.8	-1.5
FOREIGN SOURCES........	2,699	3,111	3,463	15.3	11.3	1,433	1,690	1,991	17.9	17.8	1,266	1,421	1,472	12.2	3.6
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RESEARCH ASSISTANTSHIPS:															
TOTAL, ALL SOURCES........	37,497	39,934	41,039	6.5	2.8	28,893	30,825	31,511	6.7	2.2	8,604	9,109	9,528	5.9	4.6
FEDERAL, TOTAL............	22,212	23,550	24,174	6.0	2.6	15,879	16,885	17,389	6.3	3.0	6,333	6,665	6,785	5.2	1.8
DEPT OF DEFENSE.........	2,459	2,507	2,597	2.0	3.6	1,463	1,495	1,552	2.2	3.8	996	1,012	1,045	1.6	3.3
DEPT OF HEW, TOTAL.....	4,669	5,264	5,079	12.7	-3.5	3,494	3,935	3,829	12.6	-2.7	1,175	1,329	1,250	13.1	-5.9
NIH.................	3,857	4,425	4,250	14.7	-4.0	2,848	3,260	3,206	14.5	-1.7	1,009	1,165	1,044	15.5	-10.4
OTHER HEW............	812	839	829	3.3	-1.2	646	675	623	4.5	-7.7	166	164	206	-1.2	25.6
NSF.....................	6,726	6,887	6,920	2.4	.5	4,406	4,485	4,610	1.8	2.8	2,320	2,402	2,310	3.5	-3.8
ALL OTHER FEDERAL......	8,358	8,892	9,578	6.4	7.7	6,516	6,970	7,398	7.0	6.1	1,842	1,922	2,180	4.3	13.4
INSTITUTIONAL SUPPORT....	11,382	12,199	12,535	7.2	2.8	9,889	10,572	10,835	6.9	2.5	1,493	1,627	1,700	9.0	4.5
OTHER OUTSIDE SUPPORT, TOTAL.............	3,903	4,185	4,330	7.2	3.5	3,125	3,368	3,287	7.8	-2.4	778	817	1,043	5.0	27.7
ALL OTHER U.S. SOURCES.	3,675	3,920	4,016	6.7	2.4	2,931	3,152	3,036	7.5	-3.7	744	768	980	3.2	27.6
FOREIGN SOURCES........	228	265	314	16.2	18.5	194	216	251	11.3	16.2	34	49	63	44.1	28.6
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**

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TABLE D-26. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL: 1975-77

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SOURCE AND TYPE OF MAJOR SUPPORT	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TEACHING ASSISTANTSHIPS:															
TOTAL, ALL SOURCES.......	42,436	43,310	43,291	2.1	*	34,121	34,836	34,919	2.1	0.2	8,315	8,474	8,372	1.9	-1.2
FEDERAL, TOTAL............	454	426	465	-6.2	9.2	369	337	329	-8.7	-2.4	85	89	136	4.7	52.8
DEPT OF DEFENSE.........	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
DEPT OF HEW, TOTAL.....	283	236	235	-16.6	-.4	238	200	183	-16.0	-8.5	45	36	52	-20.0	44.4
NIH..................	146	137	127	-6.2	-7.3	127	109	95	-14.2	-12.8	19	28	32	47.4	14.3
OTHER HEW............	137	99	108	-27.7	9.1	111	91	88	-18.0	-3.3	26	8	20	-69.2	150.0
NSF.....................	52	39	34	-25.0	-12.8	39	32	28	-17.9	-12.5	13	7	6	-46.2	-14.3
ALL OTHER FEDERAL......	119	151	196	26.9	29.8	92	105	118	14.1	12.4	27	46	78	70.4	69.6
INSTITUTIONAL SUPPORT....	41,850	42,657	42,564	1.9	-.2	33,656	34,315	34,368	2.0	.2	8,194	8,342	8,196	1.8	-1.8
OTHER OUTSIDE SUPPORT, TOTAL.............	132	227	262	72.0	15.4	96	184	222	91.7	20.7	36	43	40	19.4	-7.0
ALL OTHER U.S. SOURCES.	132	227	262	72.0	15.4	96	184	222	91.7	20.7	36	43	40	19.4	-7.0
FOREIGN SOURCES.........	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
SELF-SUPPORT.............	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
OTHER TYPES OF SUPPORT:															
TOTAL, ALL SOURCES.......	65,911	66,550	67,601	1.0	1.6	46,721	46,405	46,761	-.7	.8	19,190	20,145	20,840	5.0	3.4
FEDERAL, TOTAL............	3,287	3,158	3,589	-3.9	13.6	2,735	2,541	2,675	-7.1	5.3	552	617	914	11.8	48.1
DEPT OF DEFENSE.........	1,626	1,359	1,444	-16.4	6.3	1,404	1,183	1,220	-15.7	3.1	222	176	224	-20.7	27.3
DEPT OF HEW, TOTAL.....	514	358	401	-30.4	12.0	412	217	306	-47.3	41.0	102	141	95	38.2	-32.6
NIH..................	289	211	233	-27.0	10.4	210	144	189	-31.4	31.3	79	67	44	-15.2	-34.3
OTHER HEW............	225	147	168	-34.7	14.3	202	73	117	-63.9	60.3	23	74	51	221.7	-31.1
NSF.....................	116	108	136	-6.9	25.9	78	74	123	-5.1	66.2	38	34	13	-10.5	-61.8
ALL OTHER FEDERAL......	1,031	1,333	1,608	29.3	20.6	841	1,067	1,026	26.9	-3.8	190	266	582	40.0	118.8
INSTITUTIONAL SUPPORT....	4,939	5,225	5,237	5.8	.2	3,750	3,843	3,869	2.5	.7	1,189	1,382	1,368	16.2	-1.0
OTHER OUTSIDE SUPPORT, TOTAL.............	4,754	4,916	5,033	3.4	2.4	3,642	3,595	3,595	-1.3	.0	1,112	1,321	1,438	18.8	8.9
ALL OTHER U.S. SOURCES.	2,780	2,492	2,510	-10.4	.7	2,207	1,824	1,827	-17.4	.2	573	668	683	16.6	2.2
FOREIGN SOURCES.........	1,974	2,424	2,523	22.8	4.1	1,435	1,771	1,768	23.4	-.2	539	653	755	21.2	15.6
SELF-SUPPORT.............	52,931	53,251	53,742	.6	.9	36,594	36,426	36,622	-.5	.5	16,337	16,825	17,120	3.0	1.8

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-27. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY INSTITUTIONAL CONTROL, SOURCE OF MAJOR SUPPORT, AND SEX: 1975-77

SOURCE OF MAJOR SUPPORT AND INSTITUTIONAL CONTROL	TOTAL					MEN					WOMEN				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
ALL INSTITUTIONS:															
TOTAL, ALL SOURCES.......	180181	182735	185612	1.4	1.6	138149	136635	135755	-1.1	-0.6	42,032	46,100	49,857	9.7	8.1
FEDERAL, TOTAL............	43,268	42,681	44,044	-1.4	3.2	33,670	32,880	33,133	-2.3	.8	9,598	9,801	10,911	2.1	11.3
DEPT OF DEFENSE.........	4,525	4,249	4,413	-6.1	3.9	4,326	3,995	4,128	-7.7	3.3	199	254	285	27.6	12.2
DEPT OF HEW, TOTAL.....	18,174	17,247	17,392	-5.1	.8	11,547	10,693	10,227	-7.4	-4.4	6,627	6,554	7,165	-1.1	9.3
NIH..................	12,044	11,215	10,816	-6.9	-3.6	8,502	7,820	7,445	-8.0	-4.8	3,542	3,395	3,371	-4.2	-.7
OTHER HEW............	6,130	6,032	6,576	-1.6	9.0	3,045	2,873	2,782	-5.6	-3.2	3,085	3,159	3,794	2.4	20.1
NSF......................	8,673	8,807	8,889	1.5	.9	7,569	7,704	7,676	1.8	-.4	1,104	1,103	1,213	-.1	10.0
ALL OTHER FEDERAL.......	11,896	12,378	13,350	4.1	7.9	10,228	10,488	11,102	2.5	5.9	1,668	1,890	2,248	13.3	18.9
INSTITUTIONAL SUPPORT....	68,669	70,655	71,072	2.9	.6	52,841	53,455	52,677	1.2	-1.5	15,828	17,200	18,395	8.7	6.9
OTHER OUTSIDE SUPPORT, TOTAL..................	15,313	16,148	16,754	5.5	3.8	12,788	13,445	13,729	5.1	2.1	2,525	2,703	3,025	7.0	11.9
ALL OTHER U.S. SOURCES.	10,412	10,348	10,454	-.6	1.0	8,352	8,196	8,166	-1.9	-.4	2,060	2,152	2,288	4.5	6.3
FOREIGN SOURCES.........	4,901	5,800	6,300	18.3	8.6	4,436	5,249	5,563	18.3	6.0	465	551	737	18.5	33.8
SELF-SUPPORT..............	52,931	53,251	53,742	.6	.9	38,850	36,855	36,216	-5.1	-1.7	14,081	16,396	17,526	16.4	6.9
PUBLIC INSTITUTIONS:															
TOTAL, ALL SOURCES.......	128921	130295	131221	1.1	.7	99,662	98,303	97,134	-1.4	-1.2	29,259	31,992	34,085	9.3	6.5
FEDERAL, TOTAL............	29,831	29,426	29,833	-1.4	1.4	23,233	22,619	22,567	-2.6	-.2	6,598	6,807	7,266	3.2	6.7
DEPT OF DEFENSE.........	3,157	2,954	3,031	-6.4	2.6	3,042	2,793	2,850	-8.2	2.0	115	161	181	40.0	12.4
DEPT OF HEW, TOTAL.....	12,243	11,583	11,404	-5.4	-1.5	7,691	7,081	6,805	-7.9	-3.9	4,552	4,502	4,599	-1.1	2.2
NIH..................	7,602	7,076	6,832	-6.9	-3.4	5,450	4,975	4,751	-8.7	-4.5	2,152	2,101	2,081	-2.4	-1.0
OTHER HEW............	4,641	4,507	4,572	-2.9	1.4	2,241	2,106	2,054	-6.0	-2.5	2,400	2,401	2,518	*	4.9
NSF......................	5,278	5,324	5,505	.9	3.4	4,647	4,666	4,749	.4	1.8	631	658	756	4.3	14.9
ALL OTHER FEDERAL.......	9,153	9,565	9,893	4.5	3.4	7,853	8,079	8,163	2.9	1.0	1,300	1,486	1,730	14.3	16.4
INSTITUTIONAL SUPPORT....	52,196	53,613	53,695	2.7	.2	40,421	40,778	40,209	.9	-1.4	11,775	12,835	13,486	9.0	5.1
OTHER OUTSIDE SUPPORT, TOTAL..................	10,300	10,830	11,071	5.1	2.2	8,636	9,024	9,069	4.5	.5	1,664	1,806	2,002	8.5	10.9
ALL OTHER U.S. SOURCES.	7,238	7,153	7,061	-1.2	-1.3	5,867	5,702	5,505	-2.8	-3.5	1,371	1,451	1,556	5.8	7.2
FOREIGN SOURCES.........	3,062	3,677	4,010	20.1	9.1	2,769	3,322	3,564	20.0	7.3	293	355	446	21.2	25.6
SELF-SUPPORT..............	36,594	36,426	36,622	-.5	.5	27,372	25,882	25,291	-5.4	-2.3	9,222	10,544	11,331	14.3	7.5
PRIVATE INSTITUTIONS:															
TOTAL, ALL SOURCES.......	51,260	52,440	[illegible]	2.3	3.7	38,487	38,332	38,619	-.4	.7	12,773	14,108	15,772	10.5	11.8
FEDERAL, TOTAL............	13,437	13,255	14,211	-1.4	7.2	10,437	10,261	10,566	-1.7	3.0	3,000	2,994	3,645	-.2	21.7
DEPT OF DEFENSE.........	1,368	1,295	[illegible]	-5.3	6.7	1,284	1,202	1,278	-6.4	6.3	84	93	104	10.7	11.8
DEPT OF HEW, TOTAL.....	5,931	5,664	5,988	-4.5	5.7	3,856	3,612	3,422	-6.3	-5.3	2,075	2,052	2,566	-1.1	25.0
NIH..................	4,442	4,139	3,984	-6.8	-3.7	3,052	2,845	2,694	-6.8	-5.3	1,390	1,294	1,290	-6.9	-.3
OTHER HEW............	1,489	1,525	2,004	2.4	31.4	804	767	728	-4.6	-5.1	685	758	1,276	10.7	68.3
NSF......................	3,395	3,483	3,384	2.6	-2.8	2,922	3,038	2,927	4.0	-3.7	473	445	457	-5.9	2.7
ALL OTHER FEDERAL.......	2,743	2,813	3,457	2.6	22.9	2,375	2,409	2,939	1.4	22.0	368	404	518	9.8	28.2
INSTITUTIONAL SUPPORT....	16,473	17,042	17,377	3.5	2.0	12,420	12,677	12,468	2.1	-1.6	4,053	4,365	4,909	7.7	12.5
OTHER OUTSIDE SUPPORT, TOTAL..................	5,013	5,318	5,683	6.1	6.9	4,152	4,421	4,660	6.5	5.4	861	897	1,023	4.2	14.0
ALL OTHER U.S. SOURCES.	3,174	3,195	3,393	.7	6.2	2,485	2,494	2,661	.4	6.7	689	701	732	1.7	4.4
FOREIGN SOURCES.........	1,839	2,123	2,290	15.4	7.9	1,667	1,927	1,999	15.6	3.7	172	196	291	14.0	48.5
SELF-SUPPORT..............	16,337	16,825	17,120	3.0	1.8	11,478	10,973	10,925	-4.4	-.4	4,859	5,852	6,195	20.4	5.9

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-28. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY LEVEL OF STUDY, SOURCE OF MAJOR SUPPORT, AND SEX: 1975-77

SOURCE OF MAJOR SUPPORT AND LEVEL OF STUDY	TOTAL					MEN					WOMEN				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL:															
TOTAL, ALL SOURCES	180181	182735	185612	1.4	1.6	138149	136635	135755	-1.1	-0.6	42,032	46,100	49,857	9.7	8.1
FEDERAL, TOTAL	43,268	42,681	44,044	-1.4	3.2	33,670	32,880	33,133	-2.3	.8	9,598	9,801	10,911	2.1	11.3
DEPT OF DEFENSE	4,525	4,249	4,413	-6.1	3.9	4,326	3,995	4,128	-7.7	3.3	199	254	285	27.6	12.2
DEPT OF HEW, TOTAL	18,174	17,247	17,392	-5.1	.8	11,547	10,693	10,227	-7.4	-4.4	6,627	6,554	7,165	-1.1	9.3
NIH	12,044	11,215	10,816	-6.9	-3.6	8,502	7,820	7,445	-8.0	-4.8	3,542	3,395	3,371	-4.2	-.7
OTHER HEW	6,130	6,032	6,576	-1.6	9.0	3,045	2,873	2,782	-5.6	-3.2	3,085	3,159	3,794	2.4	20.1
NSF	8,673	8,807	8,889	1.5	.9	7,569	7,704	7,676	1.8	-.4	1,104	1,103	1,213	-.1	10.0
ALL OTHER FEDERAL	11,896	12,378	13,350	4.1	7.9	10,228	10,488	11,102	2.5	5.9	1,668	1,890	2,248	13.3	18.9
INSTITUTIONAL SUPPORT	68,669	70,655	71,072	2.9	.6	52,841	53,455	52,677	1.2	-1.5	15,828	17,200	18,395	8.7	6.9
OTHER OUTSIDE SUPPORT, TOTAL	15,313	16,148	16,754	5.5	3.8	12,788	13,445	13,729	5.1	2.1	2,525	2,703	3,025	7.0	11.9
ALL OTHER U.S. SOURCES	10,412	10,348	10,454	-.6	1.0	8,352	8,196	8,166	-1.9	-.4	2,060	2,152	2,288	4.5	6.3
FOREIGN SOURCES	4,901	5,800	6,300	18.3	8.6	4,436	5,249	5,563	18.3	6.0	465	551	737	18.5	33.8
SELF-SUPPORT	52,931	53,251	53,742	.6	.9	38,850	36,855	36,216	-5.1	-1.7	14,081	16,396	17,526	16.4	6.9
FIRST YEAR:															
TOTAL, ALL SOURCES	62,545	61,425	62,738	-1.8	2.1	46,855	44,696	44,580	-4.6	-.3	15,690	16,729	18,158	6.6	8.5
FEDERAL, TOTAL	10,915	10,378	11,334	-4.9	9.2	7,924	7,330	7,880	-7.5	7.5	2,991	3,048	3,454	1.9	13.3
DEPT OF DEFENSE	1,399	1,243	1,405	-11.0	12.9	1,354	1,173	1,327	-13.4	13.1	45	72	78	60.0	8.3
DEPT OF HEW, TOTAL	4,683	4,418	4,625	-5.7	4.7	2,511	2,233	2,168	-11.1	-2.9	2,172	2,185	2,457	.6	12.4
NIH	2,291	1,941	1,924	-15.3	-.9	1,473	1,210	1,207	-17.9	-.2	818	731	717	-10.6	-1.9
OTHER HEW	2,392	2,477	2,701	3.6	9.0	1,038	1,023	961	-1.4	-6.1	1,354	1,454	1,740	7.4	19.7
NSF	1,647	1,525	1,613	-7.4	5.8	1,392	1,306	1,360	-6.2	4.1	255	219	253	-14.1	15.5
ALL OTHER FEDERAL	3,186	3,190	3,691	.1	15.7	2,667	2,618	3,025	-1.8	15.5	519	572	666	10.2	16.4
INSTITUTIONAL SUPPORT	23,633	23,635	24,099	*	2.0	17,784	17,571	17,574	-1.2	*	5,849	6,064	6,525	3.7	7.6
OTHER OUTSIDE SUPPORT, TOTAL	5,220	5,258	5,420	.7	3.1	4,415	4,456	4,495	.9	.9	805	802	925	-.4	15.3
ALL OTHER U.S. SOURCES	3,130	2,913	2,959	-6.9	1.6	2,525	2,343	2,362	-7.2	.8	605	570	597	-5.8	4.7
FOREIGN SOURCES	2,090	2,345	2,461	12.2	4.9	1,890	2,113	2,133	11.8	.9	200	232	328	16.0	41.4
SELF-SUPPORT	22,777	22,154	21,885	-2.7	-1.2	16,732	15,339	14,631	-8.3	-4.6	6,045	6,815	7,254	12.7	6.4
BEYOND FIRST YEAR:															
TOTAL, ALL SOURCES	117636	121310	122874	3.1	1.3	91,294	91,939	91,175	.7	-.8	26,342	29,371	31,699	11.5	7.9
FEDERAL, TOTAL	32,353	32,303	32,710	-.2	1.3	25,746	25,550	25,253	-.8	-1.2	6,607	6,753	7,457	2.2	10.4
DEPT OF DEFENSE	3,126	3,004	3,008	-3.9	.1	2,972	2,822	2,801	-5.0	-.7	154	182	207	18.2	13.7
DEPT OF HEW, TOTAL	13,491	12,829	12,767	-4.9	-.5	9,036	8,460	8,059	-6.4	-4.7	4,455	4,369	4,708	-1.9	7.8
NIH	9,753	9,274	8,892	-4.9	-4.1	7,029	6,610	6,238	-6.0	-5.6	2,724	2,664	2,654	-2.2	-.4
OTHER HEW	3,738	3,555	3,875	-4.9	9.0	2,007	1,850	1,821	-7.8	-1.6	1,731	1,705	2,054	-1.5	20.5
NSF	7,026	7,282	7,276	3.6	-.1	6,177	6,398	6,316	3.6	-1.3	849	884	960	4.1	8.6
ALL OTHER FEDERAL	8,710	9,188	9,659	5.5	5.1	7,561	7,870	8,077	4.1	2.6	1,149	1,318	1,582	14.7	20.0
INSTITUTIONAL SUPPORT	45,036	47,020	46,973	4.4	-.1	35,057	35,884	35,103	2.4	-2.2	9,979	11,136	11,870	11.6	6.6
OTHER OUTSIDE SUPPORT, TOTAL	10,093	10,890	11,334	7.9	4.1	8,373	8,989	9,234	7.4	2.7	1,720	1,901	2,100	10.5	10.5
ALL OTHER U.S. SOURCES	7,282	7,435	7,495	2.1	.8	5,827	5,853	5,804	.4	-.8	1,455	1,582	1,691	8.7	6.9
FOREIGN SOURCES	2,811	3,455	3,839	22.9	11.1	2,546	3,136	3,430	23.2	9.4	265	319	409	20.4	28.2
SELF-SUPPORT	30,154	31,097	31,857	3.1	2.4	22,118	21,516	21,585	-2.7	.3	8,036	9,581	10,272	19.2	7.2

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-29. POSTDOCTORALS IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND INSTITUTIONAL CONTROL: 1975-77

FIELD OF SCIENCE	ALL INSTITUTIONS					PUBLIC					PRIVATE				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	16,755	18,381	19,252	9.7	4.7	9,169	9,832	10,181	7.2	3.5	7,586	8,549	9,071	12.7	6.1
ENGINEERING	1,146	1,191	1,218	3.9	2.3	597	584	628	-2.2	7.5	549	607	590	10.6	-2.8
AERONAUTICAL	50	67	74	34.0	10.4	17	18	25	5.9	38.9	33	49	49	48.5	.0
AGRICULTURAL	37	38	26	2.7	-31.6	30	32	25	6.7	-21.9	7	6	1	-14.3	-83.3
BIOMEDICAL	34	51	61	50.0	19.6	12	11	7	-8.3	-36.4	22	40	54	81.8	35.0
CHEMICAL	216	219	207	1.4	-5.5	140	132	138	-5.7	4.5	76	87	69	14.5	-20.7
CIVIL	101	104	151	3.0	45.2	54	48	79	-11.1	64.6	47	56	72	19.1	28.6
ELECTRICAL	168	172	167	2.4	-2.9	94	81	89	-13.8	9.9	74	91	78	23.0	-14.3
ENGINEERING SCIENCE	116	97	107	-16.4	10.3	37	27	39	-27.0	44.4	79	70	68	-11.4	-2.9
INDUSTRIAL	42	23	21	-45.2	-8.7	25	11	10	-56.0	-9.1	17	12	11	-29.4	-8.3
MECHANICAL	80	128	118	60.0	-7.8	40	74	69	85.0	-6.8	40	54	49	35.0	-9.3
METALLURGICAL/MATERIALS	212	213	206	.5	-3.3	94	107	101	13.8	-5.6	118	106	105	-10.2	-.9
MINING	13	13	14	.0	7.7	5	6	7	20.0	16.7	8	7	7	-12.5	.0
NUCLEAR	41	32	21	-22.0	-34.4	23	17	12	-26.1	-29.4	18	15	9	-16.7	-40.0
PETROLEUM	11	12	18	9.1	50.0	10	10	17	.0	70.0	1	2	1	100.0	-50.0
ENGINEERING, NEC.	25	22	27	-12.0	22.7	16	10	10	-37.5	.0	9	12	17	33.3	41.7
PHYSICAL SCIENCES	3,881	3,994	4,145	2.9	3.8	2,290	2,332	2,388	1.8	2.4	1,591	1,662	1,757	4.5	5.7
ASTRONOMY	103	130	153	26.2	17.7	54	64	81	18.5	26.6	49	66	72	34.7	9.1
CHEMISTRY	2,459	2,554	2,607	3.9	2.1	1,498	1,530	1,564	2.1	2.2	961	1,024	1,043	6.6	1.9
PHYSICS	1,319	1,310	1,385	-.7	5.7	738	738	743	.0	.7	581	572	642	-1.5	12.2
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	259	355	361	37.1	1.7	165	197	234	19.4	18.8	94	158	127	68.1	-19.6
ATMOSPHERIC SCIENCES	36	53	62	47.2	17.0	26	39	54	50.0	38.5	10	14	8	40.0	-42.9
GEOSCIENCES	166	250	226	50.6	-9.6	90	114	120	26.7	5.3	76	136	106	78.9	-22.1
OCEANOGRAPHY	52	47	62	-9.6	31.9	44	40	51	-9.1	27.5	8	7	11	-12.5	57.1
ENVIRONMENTAL SCIENCES, NEC.	5	5	11	.0	120.0	5	4	9	-20.0	125.0	0	1	2	**	100.0
MATHEMATICAL SCIENCES	165	188	148	13.9	-21.3	92	80	59	-13.0	-26.2	73	108	89	47.9	-17.6
COMPUTER SCIENCE	38	64	59	68.4	-7.8	14	31	27	121.4	-12.9	24	33	32	37.5	-3.0
MATHEMATICS AND APPLIED MATHEMATICS	99	101	72	2.0	-28.7	53	31	17	-41.5	-45.2	46	70	55	52.2	-21.4
STATISTICS	28	23	17	-17.9	-26.1	25	18	15	-28.0	-16.7	3	5	2	66.7	-60.0
LIFE SCIENCES	10,683	11,945	12,665	11.8	6.0	5,735	6,326	6,553	10.3	3.6	4,948	5,619	6,112	13.6	8.8
AGRICULTURAL SCIENCES	298	375	335	25.8	-10.7	277	349	316	26.0	-9.5	21	26	19	23.8	-26.9
BIOLOGICAL SCIENCES	5,734	6,283	6,566	9.6	4.5	3,106	3,350	3,500	7.9	4.5	2,628	2,933	3,066	11.6	4.5
ANATOMY	195	174	218	-10.8	25.3	116	89	117	-23.3	31.5	79	85	101	7.6	18.8
BIOCHEMISTRY	1,336	1,409	1,407	5.5	-.1	735	771	766	4.9	-.6	601	638	641	6.2	.5
BIOLOGY	788	838	901	6.3	7.5	277	307	347	10.8	13.0	511	531	554	3.9	4.3
BIOMETRY/EPIDEMIOLOGY	15	24	44	60.0	83.3	8	17	27	112.5	58.8	7	7	17	.0	142.9
BIOPHYSICS	223	241	236	8.1	-2.1	79	83	72	5.1	-13.3	144	158	164	9.7	3.8
BOTANY	141	146	153	3.5	4.8	126	132	139	4.8	5.3	15	14	14	-6.7	.0
CELL BIOLOGY	223	259	254	16.1	-1.9	102	123	119	20.6	-3.3	121	136	135	12.4	-.7
ECOLOGY	31	9	9	-71.0	.0	7	7	7	.0	.0	24	2	2	-91.7	.0
ENTOMOLOGY/PARASITOLOGY	130	116	109	-10.8	-6.0	127	106	94	-16.5	-11.3	3	10	15	233.3	50.0
GENETICS	195	200	204	2.6	2.0	126	104	110	-17.5	5.8	69	96	94	39.1	-2.1
MICROBIOLOGY	683	776	845	13.6	8.9	407	461	510	13.3	10.6	276	315	335	14.1	6.3
NUTRITION	155	159	164	2.6	3.1	55	43	59	-21.8	37.2	100	116	105	16.0	-9.5
PATHOLOGY	406	508	575	25.1	13.2	173	234	247	35.3	5.6	233	274	328	17.6	19.7
PHARMACOLOGY	421	518	539	23.0	4.1	240	267	281	11.2	5.2	181	251	258	38.7	2.8
PHYSIOLOGY	522	599	631	14.8	5.3	302	348	379	15.2	8.9	220	251	252	14.1	.4
ZOOLOGY	182	195	153	7.1	-21.5	160	174	134	8.7	-23.0	22	21	19	-4.5	-9.5
BIOSCIENCES, NEC.	88	112	124	27.3	10.7	66	84	92	27.3	9.5	22	28	32	27.3	14.3
HEALTH SCIENCES	4,651	5,287	5,764	13.7	9.0	2,352	2,627	2,737	11.7	4.2	2,299	2,660	3,027	15.7	13.8
ANESTHESIOLOGY	93	62	72	-33.3	16.1	52	27	35	-48.1	29.6	41	35	37	-14.6	5.7
CARDIOLOGY	463	498	502	7.6	.8	255	261	267	2.4	2.3	208	237	235	13.9	-.8
CLINICAL PHARMACOLOGY	59	43	79	-27.1	83.7	36	16	50	-55.6	212.5	23	27	29	17.4	7.4
DENTISTRY	10	46	96	360.0	108.7	2	24	42	1100.0	75.0	8	22	54	175.0	145.5
ENDOCRINOLOGY	156	240	227	53.8	-5.4	84	140	115	66.7	-17.9	72	100	112	38.9	12.0
GASTROENTEROLOGY	178	166	194	-6.7	16.9	103	98	104	-4.9	6.1	75	68	90	-9.3	32.4
HEMATOLOGY	200	269	245	34.5	-8.9	104	117	107	12.5	-8.5	96	152	138	58.3	-9.2
NEUROLOGY	200	214	278	7.0	29.9	73	73	108	.0	47.9	127	141	170	11.0	20.6
NURSING	0	1	0	**	-100.0	0	0	0	**	**	0	1	0	**	-100.0
OBSTETRICS/GYNECOLOGY	173	178	161	2.9	-9.6	88	89	73	1.1	-18.0	85	89	88	4.7	-1.1
OPHTHALMOLOGY	99	153	179	54.5	17.0	36	43	42	19.4	-2.3	63	110	137	74.6	24.5
OTORHINOLARYNGOLOGY	40	41	29	2.5	-29.3	28	19	18	-32.1	-5.3	12	22	11	83.3	-50.0
PEDIATRICS	486	552	571	13.6	3.4	229	242	220	5.7	-9.1	257	310	351	20.6	13.2
PHARMACEUTICAL SCIENCES	198	200	230	1.0	15.0	191	190	216	-.5	13.7	7	10	14	42.9	40.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	96	157	133	63.5	-15.3	67	120	78	79.1	-35.0	29	37	55	27.6	48.6
PSYCHIATRY	268	294	332	9.7	12.9	137	127	96	-7.3	-24.4	131	167	236	27.5	41.3
PULMONARY DISEASE	160	222	236	38.7	6.3	85	112	119	31.8	6.3	75	110	117	46.7	6.4
RADIOLOGY	157	158	170	.6	7.6	45	73	54	62.2	-26.0	112	85	116	-24.1	36.5
SPEECH PATH/AUDIOLOGY	13	16	23	23.1	43.8	13	15	23	15.4	53.3	0	1	0	**	-100.0
SURGERY	320	391	426	22.2	9.0	89	145	187	62.9	29.0	231	246	239	6.5	-2.8
VETERINARY SCIENCES	61	72	90	18.0	25.0	34	47	59	38.2	25.5	27	25	31	-7.4	24.0
CLINICAL MEDICINE, NEC.	1,207	1,293	1,471	7.1	13.8	593	635	716	7.1	12.8	614	658	755	7.2	14.7
HEALTH RELATED, NEC.	14	21	20	50.0	-4.8	8	14	8	75.0	-42.9	6	7	12	16.7	71.4
PSYCHOLOGY	371	380	381	2.4	.3	156	138	137	-11.5	-.7	215	242	244	12.6	.8
SOCIAL SCIENCES	250	328	334	31.2	1.8	134	175	182	30.6	4.0	116	153	152	31.9	-.7
AGRICULTURAL ECONOMICS	22	21	28	-4.5	33.3	21	19	28	-9.5	47.4	1	2	0	100.0	-100.0
ANTHROPOLOGY	30	45	50	50.0	11.1	20	28	37	40.0	32.1	10	17	13	70.0	-23.5
ECONOMICS (EXCEPT AGRICULTURAL)	43	56	65	30.2	16.1	22	21	18	-4.5	-14.3	21	35	47	66.7	34.3
GEOGRAPHY	7	12	9	71.4	-25.0	6	8	8	33.3	.0	1	4	1	300.0	-75.0
HISTORY AND PHILOSOPHY OF SCIENCE	6	12	22	100.0	83.3	0	1	4	**	300.0	6	11	18	83.3	63.6
LINGUISTICS	24	35	30	45.8	-14.3	10	23	23	130.0	.0	14	12	7	-14.3	-41.7
POLITICAL SCIENCE	18	28	27	55.6	-3.6	10	16	17	60.0	6.3	8	12	10	50.0	-16.7
SOCIOLOGY	78	111	93	42.3	-16.2	33	52	39	57.6	-25.0	45	59	54	31.1	-8.5
SOCIOLOGY/ANTHROPOLOGY	2	3	4	50.0	33.3	1	3	4	200.0	33.3	1	0	0	-100.0	**
SOCIAL SCIENCES, NEC.	20	5	6	-75.0	20.0	11	4	4	-63.6	.0	9	1	2	-88.9	100.0

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-30. POSTDOCTORALS IN ALL DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND SOURCE OF SUPPORT: 1975-77

FIELD OF SCIENCE	FEDERAL										NON-FEDERAL				
	FELLOWSHIPS AND TRAINEESHIPS					RESEARCH ASSOCIATES									
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	4,784	5,299	5,395	10.8	1.8	7,075	7,701	7,901	8.8	2.6	4,896	5,381	5,956	9.9	10.7
ENGINEERING	93	144	167	54.8	16.0	699	705	752	.9	6.7	354	342	299	-3.4	-12.6
AERONAUTICAL	5	9	9	80.0	.0	29	40	52	37.9	30.0	16	18	13	12.5	-27.8
AGRICULTURAL	1	1	1	.0	.0	17	20	16	17.6	-20.0	19	17	9	-10.5	-47.1
BIOMEDICAL	13	25	24	92.3	-4.0	12	9	13	-25.0	44.4	9	17	24	88.9	41.2
CHEMICAL	12	15	34	25.0	126.7	111	132	122	18.9	-7.6	93	72	51	-22.6	-29.2
CIVIL	6	13	11	116.7	-15.4	53	63	88	18.9	39.7	42	28	52	-33.3	85.7
ELECTRICAL	12	14	9	16.7	-35.7	115	114	128	-.9	12.3	41	44	30	7.3	-31.8
ENGINEERING SCIENCE	16	47	45	193.8	-4.3	83	38	46	-54.2	21.1	17	12	16	-29.4	33.3
INDUSTRIAL	8	1	0	-87.5	-100.0	15	9	8	-40.0	-11.1	19	13	13	-31.6	.0
MECHANICAL	1	2	3	100.0	50.0	56	83	83	48.2	.0	23	43	32	87.0	-25.6
METALLURGICAL/MATERIALS	17	16	30	-5.9	87.5	144	142	138	-1.4	-2.8	51	55	38	7.8	-30.9
MINING	0	0	0	**	**	11	12	13	9.1	8.3	2	1	1	-50.0	.0
NUCLEAR	0	1	0	**	-100.0	27	16	10	-40.7	-37.5	14	15	11	7.1	-26.7
PETROLEUM	0	0	1	**	**	9	12	16	33.3	33.3	2	0	1	-100.0	**
ENGINEERING, NEC.	2	0	0	-100.0	**	17	15	19	-11.8	26.7	6	7	8	16.7	14.3
PHYSICAL SCIENCES	462	425	465	-8.0	9.4	2,635	2,823	2,919	7.1	3.4	784	746	761	-4.8	2.0
ASTRONOMY	12	11	14	-8.3	27.3	64	85	99	32.8	16.5	27	34	40	25.9	17.6
CHEMISTRY	344	315	342	-8.4	8.6	1,510	1,686	1,737	11.7	3.0	605	553	528	-8.6	-4.5
PHYSICS	106	99	109	-6.6	10.1	1,061	1,052	1,083	-.8	2.9	152	159	193	4.6	21.4
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	32	44	35	37.5	-20.5	168	238	263	41.7	10.5	59	73	63	23.7	-13.7
ATMOSPHERIC SCIENCES	2	6	2	200.0	-66.7	30	45	57	50.0	26.7	4	2	3	-50.0	50.0
GEOSCIENCES	15	26	24	73.3	-7.7	109	163	164	49.5	.6	42	61	38	45.2	-37.7
OCEANOGRAPHY	14	12	8	-14.3	-33.3	28	27	35	-3.6	29.6	10	8	19	-20.0	137.5
ENVIRONMENTAL SCIENCES, NEC.	1	0	1	-100.0	**	1	3	7	200.0	133.3	3	2	3	-33.3	50.0
MATHEMATICAL SCIENCES	17	25	13	47.1	-48.0	53	66	79	24.5	19.7	95	97	56	2.1	-42.3
COMPUTER SCIENCE	4	10	6	150.0	-40.0	23	31	45	34.8	45.2	11	23	8	109.1	-65.2
MATHEMATICS AND APPLIED MATHEMATICS	7	11	5	57.1	-54.5	24	33	31	37.5	-6.1	68	57	36	-16.2	-36.8
STATISTICS	6	4	2	-33.3	-50.0	6	2	3	-66.7	50.0	16	17	12	6.3	-29.4
LIFE SCIENCES	4,020	4,439	4,512	10.4	1.6	3,354	3,703	3,723	10.4	.5	3,309	3,803	4,430	14.9	16.5
AGRICULTURAL SCIENCES	15	14	10	-6.7	-28.6	125	196	176	56.8	-10.2	158	165	149	4.4	-9.7
BIOLOGICAL SCIENCES	1,964	2,305	2,306	17.4	*	2,416	2,613	2,681	8.2	2.6	1,354	1,365	1,579	.8	15.7
ANATOMY	94	78	88	-17.0	12.8	53	56	68	5.7	21.4	48	40	62	-16.7	55.0
BIOCHEMISTRY	331	351	310	6.0	-11.7	760	784	825	3.2	5.2	245	274	272	11.8	-.7
BIOLOGY	276	344	300	24.6	-12.8	260	322	367	23.8	14.0	252	172	234	-31.7	36.0
BIOMETRY/EPIDEMIOLOGY	9	15	24	66.7	60.0	1	3	1	200.0	-66.7	5	6	19	20.0	216.7
BIOPHYSICS	114	114	126	.0	10.5	76	98	88	28.9	-10.2	33	29	22	-12.1	-24.1
BOTANY	7	15	10	114.3	-33.3	61	64	88	4.9	37.5	73	67	55	-8.2	-17.9
CELL BIOLOGY	95	79	89	-16.8	12.7	94	136	101	44.7	-25.7	34	44	64	29.4	45.5
ECOLOGY	11	4	0	-63.6	-100.0	16	4	8	-75.0	100.0	4	1	1	-75.0	.0
ENTOMOLOGY/PARASITOLOGY	5	23	22	360.0	-4.3	61	62	53	1.6	-14.5	64	31	34	-51.6	9.7
GENETICS	90	97	82	7.8	-15.5	61	58	78	-4.9	34.5	44	45	44	2.3	-2.2
MICROBIOLOGY	248	294	342	18.5	16.3	259	297	281	14.7	-5.4	176	185	222	5.1	20.0
NUTRITION	36	32	46	-11.1	43.8	62	66	67	6.5	1.5	57	61	51	7.0	-16.4
PATHOLOGY	186	238	279	28.0	17.2	127	150	127	18.1	-15.3	93	120	169	29.0	40.8
PHARMACOLOGY	154	215	218	39.6	1.4	205	207	211	1.0	1.9	62	96	110	54.8	14.6
PHYSIOLOGY	236	298	270	26.3	-9.4	179	195	227	8.9	16.4	107	106	134	-.9	26.4
ZOOLOGY	37	63	54	70.3	-14.3	119	85	53	-28.6	-37.6	26	47	46	80.8	-2.1
BIOSCIENCES, NEC.	35	45	46	28.6	2.2	22	26	38	18.2	46.2	31	41	40	32.3	-2.4
HEALTH SCIENCES	2,041	2,120	2,196	3.9	3.6	813	894	866	10.0	-3.1	1,797	2,273	2,702	26.5	18.9
ANESTHESIOLOGY	35	31	20	-11.4	-35.5	2	11	12	450.0	9.1	56	20	40	-64.3	100.0
CARDIOLOGY	224	207	159	-7.6	-23.2	52	59	75	13.5	27.1	187	232	268	24.1	15.5
CLINICAL PHARMACOLOGY	32	19	43	-40.6	126.3	11	13	10	18.2	-23.1	16	11	26	-31.3	136.4
DENTISTRY	2	12	20	500.0	66.7	1	4	4	300.0	.0	7	30	72	328.6	140.0
ENDOCRINOLOGY	68	103	97	51.5	-5.8	32	45	32	40.6	-28.9	56	92	98	64.3	6.5
GASTROENTEROLOGY	89	72	73	-19.1	1.4	11	15	20	36.4	33.3	78	79	101	1.3	27.8
HEMATOLOGY	116	131	109	12.9	-16.8	26	43	49	65.4	14.0	58	95	87	63.8	-8.4
NEUROLOGY	100	108	135	8.0	25.0	55	36	34	-34.5	-5.6	45	70	109	55.6	55.7
NURSING	0	1	0	**	-100.0	0	0	0	**	**	0	0	0	**	**
OBSTETRICS/GYNECOLOGY	57	52	53	-8.8	1.9	25	22	17	-12.0	-22.7	91	104	91	14.3	-12.5
OPHTHALMOLOGY	47	88	105	87.2	19.3	15	13	25	-13.3	92.3	37	52	49	40.5	-5.8
OTORHINOLARYNGOLOGY	21	7	5	-66.7	-28.6	8	10	12	25.0	20.0	11	24	12	118.2	-50.0
PEDIATRICS	244	253	228	3.7	-9.9	48	67	62	39.6	-7.5	194	232	281	19.6	21.1
PHARMACEUTICAL SCIENCES	39	39	42	.0	7.7	133	128	128	-3.8	.0	26	33	60	26.9	81.8
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	72	82	82	13.9	.0	9	16	11	77.8	-31.3	15	59	40	293.3	-32.2
PSYCHIATRY	163	136	175	-16.6	28.7	31	47	32	51.6	-31.9	74	111	125	50.0	12.6
PULMONARY DISEASE	67	87	83	29.9	-4.6	14	22	22	57.1	.0	79	113	131	43.0	15.9
RADIOLOGY	55	81	46	47.3	-43.2	58	55	51	-5.2	-7.3	44	22	73	-50.0	231.8
SPEECH PATH/AUDIOLOGY	6	6	6	.0	.0	3	8	6	166.7	-25.0	4	2	11	-50.0	450.0
SURGERY	113	122	116	8.0	-4.9	67	78	82	16.4	5.1	140	191	228	36.4	19.4
VETERINARY SCIENCES	17	6	13	-64.7	116.7	28	28	41	.0	46.4	16	38	36	137.5	-5.3
CLINICAL MEDICINE, NEC.	468	465	572	-.6	23.0	176	168	138	-4.5	-17.9	563	660	761	17.2	15.3
HEALTH RELATED, NEC.	6	12	14	100.0	16.7	8	6	3	-25.0	-50.0	0	3	3	**	.0
PSYCHOLOGY	113	142	124	25.7	-12.7	92	95	101	3.3	6.3	166	143	156	-13.9	9.1
SOCIAL SCIENCES	47	80	79	70.2	-1.2	74	71	64	-4.1	-9.9	129	177	191	37.2	7.9
AGRICULTURAL ECONOMICS	0	3	0	**	-100.0	16	11	7	-31.3	-36.4	6	7	21	16.7	200.0
ANTHROPOLOGY	7	22	19	214.3	-13.6	10	5	4	-50.0	-20.0	13	18	27	38.5	50.0
ECONOMICS (EXCEPT AGRICULTURAL)	5	5	4	.0	-20.0	10	9	8	-10.0	-11.1	28	42	53	50.0	26.2
GEOGRAPHY	1	1	0	.0	-100.0	1	0	4	-100.0	**	5	11	5	120.0	-54.5
HISTORY AND PHILOSOPHY OF SCIENCE	1	0	3	-100.0	**	0	1	3	**	200.0	5	11	16	120.0	45.5
LINGUISTICS	4	5	3	25.0	-40.0	8	6	4	-25.0	-33.3	12	24	23	100.0	-4.2
POLITICAL SCIENCE	0	2	4	**	100.0	3	9	6	200.0	-33.3	15	17	17	13.3	.0
SOCIOLOGY	20	37	46	85.0	24.3	23	30	23	30.4	-23.3	35	44	24	25.7	-45.5
SOCIOLOGY/ANTHROPOLOGY	0	0	0	**	**	0	0	1	**	**	2	3	3	50.0	.0
SOCIAL SCIENCES, NEC.	9	5	0	-44.4	-100.0	3	0	4	-100.0	**	8	0	2	-100.0	**

* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIE

TABLE D-31. POSTDOCTORALS IN ALL DOCTORATE DEPARTMENTS AT PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF SUPPORT: 1975-77

FIELD OF SCIENCE	FEDERAL										NON-FEDERAL				
	FELLOWSHIPS AND TRAINEESHIPS					RESEARCH ASSOCIATES					NUMBER			PERCENT CHANGE	
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE						
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	2,284	2,481	2,425	8.6	-2.3	4,249	4,600	4,738	8.3	3.0	2,636	2,751	3,018	4.4	9.7
ENGINEERING	46	46	52	.0	13.0	333	350	404	5.1	15.4	218	188	172	-13.8	-8.5
AERONAUTICAL	0	2	0	**	-100.0	14	14	16	.0	14.3	3	2	9	-33.3	350.0
AGRICULTURAL	1	1	0	.0	-100.0	13	15	16	15.4	6.7	16	16	9	.0	-43.8
BIOMEDICAL	6	5	2	-16.7	-60.0	6	6	3	.0	-50.0	0	0	2	**	**
CHEMICAL	10	9	20	-10.0	122.2	66	74	81	12.1	9.5	64	49	37	-23.4	-24.5
CIVIL	1	4	4	300.0	.0	28	28	42	.0	50.0	25	16	33	-36.0	106.3
ELECTRICAL	7	3	1	-57.1	-66.7	54	44	64	-18.5	45.5	33	34	24	3.0	-29.4
ENGINEERING SCIENCE	8	6	6	-25.0	.0	18	18	24	.0	33.3	11	3	9	-72.7	200.0
INDUSTRIAL	8	1	0	-87.5	-100.0	3	5	6	66.7	20.0	14	5	4	-64.3	-20.0
MECHANICAL	1	2	3	100.0	50.0	25	46	49	84.0	6.5	14	26	17	85.7	-34.6
METALLURGICAL/MATERIALS	4	12	15	200.0	25.0	65	71	69	9.2	-2.8	25	24	17	-4.0	-29.2
MINING	0	0	0	**	**	4	5	7	25.0	40.0	1	1	0	.0	-100.0
NUCLEAR	0	1	0	**	-100.0	12	7	6	-41.7	-14.3	11	9	6	-18.2	-33.3
PETROLEUM	0	0	1	**	**	9	10	16	11.1	60.0	1	0	0	-100.0	**
ENGINEERING, NEC.	0	0	0	**	**	16	7	5	-56.3	-28.6	0	3	5	**	66.7
PHYSICAL SCIENCES	201	184	178	-8.5	-3.3	1,673	1,741	1,834	4.1	5.3	416	407	376	-2.2	-7.6
ASTRONOMY	0	0	1	**	**	41	46	64	12.2	39.1	13	18	16	38.5	-11.1
CHEMISTRY	155	160	167	3.2	4.4	1,020	1,058	1,129	3.7	6.7	323	312	268	-3.4	-14.1
PHYSICS	46	24	10	-47.8	-58.3	612	637	641	4.1	.6	80	77	92	-3.7	19.5
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	17	21	14	23.5	-33.3	118	141	185	19.5	31.2	30	35	35	16.7	.0
ATMOSPHERIC SCIENCES ...	2	5	2	150.0	-60.0	23	33	49	43.5	48.5	1	1	3	.0	200.0
GEOSCIENCES	2	5	3	150.0	-40.0	67	80	96	19.4	20.0	21	29	21	38.1	-27.6
OCEANOGRAPHY	12	11	8	-8.3	-27.3	27	25	33	-7.4	32.0	5	4	10	-20.0	150.0
ENVIRONMENTAL SCIENCES, NEC.	1	0	1	-100.0	**	1	3	7	200.0	133.3	3	1	1	-66.7	.0
MATHEMATICAL SCIENCES	7	11	5	57.1	-54.5	11	15	27	36.4	80.0	74	54	27	-27.0	-50.0
COMPUTER SCIENCE	2	6	2	200.0	-66.7	4	8	20	100.0	150.0	8	17	5	112.5	-70.6
MATHEMATICS AND APPLIED MATHEMATICS ..	0	1	1	**	.0	2	6	5	200.0	-16.7	51	24	11	-52.9	-54.2
STATISTICS	5	4	2	-20.0	-50.0	5	1	2	-80.0	100.0	15	13	11	-13.3	-15.4
LIFE SCIENCES	1,949	2,121	2,081	8.8	-1.9	2,007	2,263	2,202	12.8	-2.7	1,779	1,942	2,270	9.2	16.9
AGRICULTURAL SCIENCES	15	13	10	-13.3	-23.1	118	181	167	53.4	-7.7	144	155	139	7.6	-10.3
BIOLOGICAL SCIENCES	929	1,051	1,092	13.1	3.9	1,466	1,586	1,548	8.2	-2.4	711	713	860	.3	20.6
ANATOMY	51	39	45	-23.5	15.4	35	34	37	-2.9	8.8	30	16	35	-46.7	118.8
BIOCHEMISTRY	155	179	153	15.5	-14.5	443	448	468	1.1	4.5	137	144	145	5.1	.7
BIOLOGY	95	95	87	.0	-8.4	128	162	173	26.6	6.8	54	50	87	-7.4	74.0
BIOMETRY/EPIDEMIOLOGY ..	7	14	23	100.0	64.3	0	2	1	**	-50.0	1	1	3	.0	200.0
BIOPHYSICS	26	20	33	-23.1	65.0	41	49	31	19.5	-36.7	12	14	8	16.7	-42.9
BOTANY	6	11	10	83.3	-9.1	51	59	78	15.7	32.2	69	62	51	-10.1	-17.7
CELL BIOLOGY	43	21	32	-51.2	52.4	53	88	61	66.0	-30.7	6	14	26	133.3	85.7
ECOLOGY	2	2	0	.0	-100.0	4	4	6	.0	50.0	1	1	1	.0	.0
ENTOMOLOGY/PARASITOLOGY	4	19	14	375.0	-26.3	61	58	48	-4.9	-17.2	62	29	32	-53.2	10.3
GENETICS	55	47	43	-14.5	-8.5	37	33	44	-10.8	33.3	34	24	23	-29.4	-4.2
MICROBIOLOGY	150	167	207	11.3	24.0	156	192	183	23.1	-4.7	101	102	120	1.0	17.6
NUTRITION	6	3	5	-50.0	66.7	26	29	35	11.5	20.7	23	11	19	-52.2	72.7
PATHOLOGY	77	96	99	24.7	3.1	59	75	64	27.1	-14.7	37	63	84	70.3	33.3
PHARMACOLOGY	77	92	103	19.5	12.0	132	130	122	-1.5	-6.2	31	45	56	45.2	24.4
PHYSIOLOGY	123	162	160	31.7	-1.2	113	120	122	6.2	1.7	66	66	97	.0	47.0
ZOOLOGY	29	55	47	89.7	-14.5	111	80	45	-27.9	-43.8	20	39	42	95.0	7.7
BIOSCIENCES, NEC.	23	29	31	26.1	6.9	16	23	30	43.8	30.4	27	32	31	18.5	-3.1
HEALTH SCIENCES	1,005	1,057	979	5.2	-7.4	423	496	487	17.3	-1.8	924	1,074	1,271	16.2	18.3
ANESTHESIOLOGY	12	10	6	-16.7	-40.0	0	9	6	**	-33.3	40	8	23	-80.0	187.5
CARDIOLOGY	134	129	93	-3.7	-27.9	39	40	53	2.6	32.5	82	92	121	12.2	31.5
CLINICAL PHARMACOLOGY ..	24	11	39	-54.2	254.5	1	3	0	200.0	-100.0	11	2	11	-81.8	450.0
DENTISTRY	1	3	4	200.0	33.3	0	4	4	**	.0	1	17	34	1600.0	100.0
ENDOCRINOLOGY	35	56	50	60.0	-10.7	19	30	19	57.9	-36.7	30	54	46	80.0	-14.8
GASTROENTEROLOGY	50	49	47	-2.0	-4.1	6	9	10	50.0	11.1	47	40	47	-14.9	17.5
HEMATOLOGY	62	59	50	-4.8	-15.3	17	20	18	17.6	-10.0	25	38	39	52.0	2.6
NEUROLOGY	23	31	59	34.8	90.3	29	12	14	-58.6	16.7	21	30	35	42.9	16.7
NURSING	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
OBSTETRICS/GYNECOLOGY ..	24	32	27	33.3	-15.6	11	10	5	-9.1	-50.0	53	47	41	-11.3	-12.8
OPHTHALMOLOGY	16	22	27	37.5	22.7	6	2	3	-66.7	50.0	14	19	12	35.7	-36.8
OTORHINOLARYNGOLOGY	16	1	5	-93.8	400.0	6	4	5	-33.3	25.0	6	14	8	133.3	-42.9
PEDIATRICS	115	112	67	-2.6	-40.2	13	31	26	138.5	-16.1	101	99	127	-2.0	28.3
PHARMACEUTICAL SCIENCES	39	39	42	.0	7.7	126	119	120	-5.6	.8	26	32	54	23.1	68.8
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	49	61	49	24.5	-19.7	9	16	10	77.8	-37.5	9	43	19	377.8	-55.8
PSYCHIATRY	78	59	49	-24.4	-16.9	10	6	6	-40.0	.0	49	62	41	26.5	-33.9
PULMONARY DISEASE	39	50	42	28.2	-16.0	6	9	4	50.0	-55.6	40	53	73	32.5	37.7
RADIOLOGY	25	46	22	84.0	-52.2	15	22	19	46.7	-13.6	5	5	13	.0	160.0
SPEECH PATH/AUDIOLOGY ..	6	5	6	-16.7	20.0	3	8	6	166.7	-25.0	4	2	11	-50.0	450.0
SURGERY	26	29	33	11.5	13.8	18	43	50	138.9	16.3	45	73	104	62.2	42.5
VETERINARY SCIENCES	8	5	4	-37.5	-20.0	20	18	26	-10.0	44.4	6	24	29	300.0	20.8
CLINICAL MEDICINE, NEC.	223	239	252	7.2	5.4	61	78	82	27.9	5.1	309	318	382	2.9	20.1
HEALTH RELATED, NEC. ...	0	9	6	**	-33.3	8	3	1	-62.5	-66.7	0	2	1	**	-50.0
PSYCHOLOGY	50	60	51	20.0	-15.0	57	45	48	-21.1	6.7	49	33	38	-32.7	15.2
SOCIAL SCIENCES	14	38	44	171.4	15.8	50	45	38	-10.0	-15.6	70	92	100	31.4	8.7
AGRICULTURAL ECONOMICS .	0	3	0	**	-100.0	15	9	7	-40.0	-22.2	6	7	21	16.7	200.0
ANTHROPOLOGY	6	12	14	100.0	16.7	5	3	0	-40.0	-100.0	9	13	23	44.4	76.9
ECONOMICS (EXCEPT AGRICULTURAL)	3	0	0	-100.0	**	7	5	4	-28.6	-20.0	12	16	14	33.3	-12.5
GEOGRAPHY	1	1	0	.0	-100.0	1	0	4	-100.0	**	4	7	4	75.0	-42.9
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	2	**	**	0	0	2	**	**	0	1	0	**	-100.0
LINGUISTICS	0	2	0	**	-100.0	5	4	2	-20.0	-50.0	5	17	21	240.0	23.5
POLITICAL SCIENCE	0	0	4	**	**	3	8	4	166.7	-50.0	7	8	9	14.3	12.5
SOCIOLOGY	3	16	24	433.3	50.0	11	16	11	45.5	-31.3	19	20	4	5.3	-80.0
SOCIOLOGY/ANTHROPOLOGY .	0	0	0	**	**	0	0	1	**	**	1	3	3	200.0	.0
SOCIAL SCIENCES, NEC. ..	1	4	0	300.0	-100.0	3	0	3	-100.0	**	7	0	1	-100.0	**

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE D-32. POSTDOCTORALS IN ALL DOCTORATE DEPARTMENTS AT PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF SUPPORT: 1975-77

FIELD OF SCIENCE	FEDERAL										NON-FEDERAL				
	FELLOWSHIPS AND TRAINEESHIPS					RESEARCH ASSOCIATES					NUMBER			PERCENT CHANGE	
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE						
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	2,500	2,818	2,970	12.7	5.4	2,826	3,101	3,163	9.7	2.0	2,260	2,630	2,938	16.4	11.7
ENGINEERING	47	98	115	108.5	17.3	366	355	348	-3.0	-2.0	136	154	127	13.2	-17.5
AERONAUTICAL	5	7	9	40.0	28.6	15	26	36	73.3	38.5	13	16	4	23.1	-75.0
AGRICULTURAL	0	0	1	**	**	4	5	0	25.0	-100.0	3	1	0	-66.7	-100.0
BIOMEDICAL	7	20	22	185.7	10.0	6	3	10	-50.0	233.3	9	17	22	88.9	29.4
CHEMICAL	2	6	14	200.0	133.3	45	58	41	28.9	-29.3	29	23	14	-20.7	-39.1
CIVIL	5	9	7	80.0	-22.2	25	35	46	40.0	31.4	17	12	19	-29.4	58.3
ELECTRICAL	5	11	8	120.0	-27.3	61	70	64	14.8	-8.6	8	10	6	25.0	-40.0
ENGINEERING SCIENCE	8	41	39	412.5	-4.9	65	20	22	-69.2	10.0	6	9	7	50.0	-22.2
INDUSTRIAL	0	0	0	**	**	12	4	2	-66.7	-50.0	5	8	9	60.0	12.5
MECHANICAL	0	0	0	**	**	31	37	34	19.4	-8.1	9	17	15	88.9	-11.8
METALLURGICAL/MATERIALS	13	4	15	-69.2	275.0	79	71	69	-10.1	-2.8	26	31	21	19.2	-32.3
MINING	0	0	0	**	**	7	7	6	.0	-14.3	1	0	1	-100.0	**
NUCLEAR	0	0	0	**	**	15	9	4	-40.0	-55.6	3	6	5	100.0	-16.7
PETROLEUM	0	0	0	**	**	0	2	0	**	-100.0	1	0	1	-100.0	**
ENGINEERING, NEC.	2	0	0	-100.0	**	1	8	14	700.0	75.0	6	4	3	-33.3	-25.0
PHYSICAL SCIENCES	261	241	287	-7.7	19.1	962	1,082	1,085	12.5	.3	368	339	385	-7.9	13.6
ASTRONOMY	12	11	13	-8.3	18.2	23	39	35	69.6	-10.3	14	16	24	14.3	50.0
CHEMISTRY	189	155	175	-18.0	12.9	490	628	608	28.2	-3.2	282	241	260	-14.5	7.9
PHYSICS	60	75	99	25.0	32.0	449	415	442	-7.6	6.5	72	82	101	13.9	23.2
PHYSICAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENVIRONMENTAL SCIENCES	15	23	21	53.3	-8.7	50	97	78	94.0	-19.6	29	38	28	31.0	-26.3
ATMOSPHERIC SCIENCES	0	1	0	**	-100.0	7	12	8	71.4	-33.3	3	1	0	-66.7	-100.0
GEOSCIENCES	13	21	21	61.5	.0	42	83	68	97.6	-18.1	21	32	17	52.4	-46.9
OCEANOGRAPHY	2	1	0	-50.0	-100.0	1	2	2	100.0	.0	5	4	9	-20.0	125.0
ENVIRONMENTAL SCIENCES, NEC.	0	0	0	**	**	0	0	0	**	**	0	1	2	**	100.0
MATHEMATICAL SCIENCES	10	14	8	40.0	-42.9	42	51	52	21.4	2.0	21	43	29	104.8	-32.6
COMPUTER SCIENCE	2	4	4	100.0	.0	19	23	25	21.1	8.7	3	6	3	100.0	-50.0
MATHEMATICS AND APPLIED MATHEMATICS	7	10	4	42.9	-60.0	22	27	26	22.7	-3.7	17	33	25	94.1	-24.2
STATISTICS	1	0	0	-100.0	**	1	1	1	.0	.0	1	4	1	300.0	-75.0
LIFE SCIENCES	2,071	2,318	2,431	11.9	4.9	1,347	1,440	1,521	6.9	5.6	1,530	1,861	2,160	21.6	16.1
AGRICULTURAL SCIENCES	0	1	0	**	-100.0	7	15	9	114.3	-40.0	14	10	10	-28.6	.0
BIOLOGICAL SCIENCES	1,035	1,254	1,214	21.2	-3.2	950	1,027	1,133	8.1	10.3	643	652	719	1.4	10.3
ANATOMY	43	39	43	-9.3	10.3	18	22	31	22.2	40.9	18	24	27	33.3	12.5
BIOCHEMISTRY	176	172	157	-2.3	-8.7	317	336	357	6.0	6.3	108	130	127	20.4	-2.3
BIOLOGY	181	249	213	37.6	-14.5	132	160	194	21.2	21.2	198	122	147	-38.4	20.5
BIOMETRY/EPIDEMIOLOGY	2	1	1	-50.0	.0	1	1	0	.0	-100.0	4	5	16	25.0	220.0
BIOPHYSICS	88	94	93	6.8	-1.1	35	49	57	40.0	16.3	21	15	14	-28.6	-6.7
BOTANY	1	4	0	300.0	-100.0	10	5	10	-50.0	100.0	4	5	4	25.0	-20.0
CELL BIOLOGY	52	58	57	11.5	-1.7	41	48	40	17.1	-16.7	28	30	38	7.1	26.7
ECOLOGY	9	2	0	-77.8	-100.0	12	0	2	-100.0	**	3	0	0	-100.0	**
ENTOMOLOGY/PARASITOLOGY	1	4	8	300.0	100.0	0	4	5	**	25.0	2	2	2	.0	.0
GENETICS	35	50	39	42.9	-22.0	24	25	34	4.2	36.0	10	21	21	110.0	.0
MICROBIOLOGY	98	127	135	29.6	6.3	103	105	98	1.9	-6.7	75	83	102	10.7	22.9
NUTRITION	30	29	41	-3.3	41.4	36	37	32	2.8	-13.5	34	50	32	47.1	-36.0
PATHOLOGY	109	142	180	30.3	26.8	68	75	63	10.3	-16.0	56	57	85	1.8	49.1
PHARMACOLOGY	77	123	115	59.7	-6.5	73	77	89	5.5	15.6	31	51	54	64.5	5.9
PHYSIOLOGY	113	136	110	20.4	-19.1	66	75	105	13.6	40.0	41	40	37	-2.4	-7.5
ZOOLOGY	8	8	7	.0	-12.5	8	5	8	-37.5	60.0	6	8	4	33.3	-50.0
BIOSCIENCES, NEC.	12	16	15	33.3	-6.3	6	3	8	-50.0	166.7	4	9	9	125.0	.0
HEALTH SCIENCES	1,036	1,063	1,217	2.6	14.5	390	398	379	2.1	-4.8	873	1,199	1,431	37.3	19.3
ANESTHESIOLOGY	23	21	14	-8.7	-33.3	2	2	6	.0	200.0	16	12	17	-25.0	41.7
CARDIOLOGY	90	78	66	-13.3	-15.4	13	19	22	46.2	15.8	105	140	147	33.3	5.0
CLINICAL PHARMACOLOGY	8	8	4	.0	-50.0	10	10	10	.0	.0	5	9	15	80.0	66.7
DENTISTRY	1	9	16	800.0	77.8	1	0	0	-100.0	**	6	13	38	116.7	192.3
ENDOCRINOLOGY	33	47	47	42.4	.0	13	15	13	15.4	-13.3	26	38	52	46.2	36.8
GASTROENTEROLOGY	39	23	26	-41.0	13.0	5	6	10	20.0	66.7	31	39	54	25.8	38.5
HEMATOLOGY	54	72	59	33.3	-18.1	9	23	31	155.6	34.8	33	57	48	72.7	-15.8
NEUROLOGY	77	77	76	.0	-1.3	26	24	20	-7.7	-16.7	24	40	74	66.7	85.0
NURSING	0	1	0	**	-100.0	0	0	0	**	**	0	0	0	**	**
OBSTETRICS/GYNECOLOGY	33	20	26	-39.4	30.0	14	12	12	-14.3	.0	38	57	50	50.0	-12.3
OPHTHALMOLOGY	31	66	78	112.9	18.2	9	11	22	22.2	100.0	23	33	37	43.5	12.1
OTORHINOLARYNGOLOGY	5	6	0	20.0	-100.0	2	6	7	200.0	16.7	5	10	4	100.0	-60.0
PEDIATRICS	129	141	161	9.3	14.2	35	36	36	2.9	.0	93	133	154	43.0	15.8
PHARMACEUTICAL SCIENCES	0	0	0	**	**	7	9	8	28.6	-11.1	0	1	6	**	500.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	23	21	33	-8.7	57.1	0	0	1	**	**	6	16	21	166.7	31.3
PSYCHIATRY	85	77	126	-9.4	63.6	21	41	26	95.2	-36.6	25	49	84	96.0	71.4
PULMONARY DISEASE	28	37	41	32.1	10.8	8	13	18	62.5	38.5	39	60	58	53.8	-3.3
RADIOLOGY	30	35	24	16.7	-31.4	43	33	32	-23.3	-3.0	39	17	60	-56.4	252.9
SPEECH PATH/AUDIOLOGY	0	1	0	**	-100.0	0	0	0	**	**	0	0	0	**	**
SURGERY	87	93	83	6.9	-10.8	49	35	32	-28.6	-8.6	95	118	124	24.2	5.1
VETERINARY SCIENCES	9	1	9	-88.9	800.0	8	10	15	25.0	50.0	10	14	7	40.0	-50.0
CLINICAL MEDICINE, NEC.	245	226	320	-7.8	41.6	115	90	56	-21.7	-37.8	254	342	379	34.6	10.8
HEALTH RELATED, NEC.	6	3	8	-50.0	166.7	0	3	2	**	-33.3	0	1	2	**	100.0
PSYCHOLOGY	63	82	73	30.2	-11.0	35	50	53	42.9	6.0	117	110	118	-6.0	7.3
SOCIAL SCIENCES	33	42	35	27.3	-16.7	24	26	26	8.3	.0	59	85	91	44.1	7.1
AGRICULTURAL ECONOMICS	0	0	0	**	**	1	2	0	100.0	-100.0	0	0	0	**	**
ANTHROPOLOGY	1	10	5	900.0	-50.0	5	2	4	-60.0	100.0	4	5	4	25.0	-20.0
ECONOMICS (EXCEPT AGRICULTURAL)	2	5	4	150.0	-20.0	3	4	4	33.3	.0	16	26	39	62.5	50.0
GEOGRAPHY	0	0	0	**	**	0	0	0	**	**	1	4	1	300.0	-75.0
HISTORY AND PHILOSOPHY OF SCIENCE	1	0	1	-100.0	**	0	1	1	**	.0	5	10	16	100.0	60.0
LINGUISTICS	4	3	3	-25.0	.0	3	2	2	-33.3	.0	7	7	2	.0	-71.4
POLITICAL SCIENCE	0	2	0	**	-100.0	0	1	2	**	100.0	8	9	8	12.5	-11.1
SOCIOLOGY	17	21	22	23.5	4.8	12	14	12	16.7	-14.3	16	24	20	50.0	-16.7
SOCIOLOGY/ANTHROPOLOGY	0	0	0	**	**	0	0	0	**	**	1	0	0	-100.0	**
SOCIAL SCIENCES, NEC.	8	1	0	-87.5	-100.0	0	0	1	**	**	1	0	1	-100.0	**

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-1. SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT AND POSTDOCTORALS:

DEPARTMENTAL POPULATION IN ALL MASTER'S DEPARTMENTS, 1975-77

FIELD OF SCIENCE	TOTAL			INSTITUTIONAL CONTROL						HIGHEST DEGREE GRANTED					
				PUBLIC			PRIVATE			DOCTORATE			MASTER'S		
	1975	1976	1977	1975	1976	1977	1975	1976	1977	1975	1976	1977	1975	1976	1977
TOTAL, ALL FIELDS	2,746	2,841	3,139	2,034	2,098	2,317	712	743	822	1,421	1,475	1,577	1,325	1,366	1,562
ENGINEERING	375	377	407	257	260	281	118	117	126	236	237	240	139	140	167
AERONAUTICAL	6	6	6	4	4	4	2	2	2	3	3	4	3	3	2
AGRICULTURAL	21	20	20	21	20	20	0	0	0	20	19	19	1	1	1
BIOMEDICAL	4	4	6	0	0	1	4	4	5	2	2	4	2	2	2
CHEMICAL	24	24	25	19	19	20	5	5	5	17	17	17	7	7	8
CIVIL	52	53	57	35	36	40	17	17	17	35	35	35	17	18	22
ELECTRICAL	50	49	55	31	30	35	19	19	20	25	24	24	25	25	31
ENGINEERING SCIENCE	20	22	25	12	14	17	8	8	8	12	14	14	8	8	11
INDUSTRIAL	55	55	59	30	31	33	25	24	26	36	36	36	19	19	23
MECHANICAL	47	45	49	30	28	30	17	17	19	29	28	28	18	17	21
METALLURGICAL/MATERIALS	12	12	12	10	10	10	2	2	2	7	7	7	5	5	5
MINING	13	14	14	13	14	14	0	0	0	8	9	10	5	5	4
NUCLEAR	8	8	7	6	6	5	2	2	2	6	6	5	2	2	2
PETROLEUM	5	5	5	5	5	5	0	0	0	4	4	4	1	1	1
ENGINEERING, NEC.	58	60	67	41	43	47	17	17	20	32	33	33	26	27	34
PHYSICAL SCIENCES	280	275	285	202	198	205	78	77	80	101	95	93	179	180	192
ASTRONOMY	4	3	3	3	2	2	1	1	1	4	3	3	0	0	0
CHEMISTRY	156	154	156	111	108	112	45	46	44	43	42	40	113	112	116
PHYSICS	110	109	114	81	81	82	29	28	32	52	50	50	58	59	64
PHYSICAL SCIENCES, NEC.	10	9	12	7	7	9	3	2	3	2	0	0	8	9	12
ENVIRONMENTAL SCIENCES	104	108	117	90	94	101	14	14	16	61	61	65	43	47	52
ATMOSPHERIC SCIENCES	2	2	4	2	2	4	0	0	0	2	2	3	0	0	1
GEOSCIENCES	79	80	80	70	71	73	9	9	7	51	51	50	28	29	30
OCEANOGRAPHY	6	8	9	4	6	7	2	2	2	4	4	5	2	4	4
ENVIRONMENTAL SCIENCES, NEC.	17	18	24	14	15	17	3	3	7	4	4	7	13	14	17
MATHEMATICAL SCIENCES	264	270	292	203	206	223	61	64	69	109	111	114	155	159	178
COMPUTER SCIENCE	49	55	64	34	36	43	15	19	21	28	32	34	21	23	30
MATHEMATICS AND APPLIED MATHEMATICS	207	206	218	163	163	172	44	43	46	76	73	73	131	133	145
STATISTICS	8	9	10	6	7	[illegible]	2	2	2	5	6	7	3	3	3
LIFE SCIENCES	790	832	963	590	622	720	200	210	243	482	514	589	308	318	374
AGRICULTURAL SCIENCES	104	105	110	99	100	105	5	5	5	83	83	86	21	22	24
BIOLOGICAL SCIENCES	348	352	390	255	259	292	93	93	98	141	144	152	207	208	238
ANATOMY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BIOCHEMISTRY	10	9	12	6	5	8	4	4	4	4	3	4	6	6	8
BIOLOGY	216	218	233	158	159	174	58	59	59	54	55	54	162	163	179
BIOMETRY/EPIDEMIOLOGY	4	4	4	1	1	1	3	3	3	4	4	4	0	0	0
BIOPHYSICS	2	1	1	1	1	1	1	0	0	1	1	1	1	0	0
BOTANY	11	12	12	8	9	9	3	3	3	5	6	7	6	6	5
CELL BIOLOGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ECOLOGY	0	1	1	0	1	1	0	0	0	0	1	1	0	0	0
ENTOMOLOGY/PARASITOLOGY	5	5	5	5	5	5	0	0	0	5	5	5	0	0	0
GENETICS	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
MICROBIOLOGY	18	18	21	17	17	19	1	1	2	10	10	11	8	8	10
NUTRITION	24	27	32	20	22	26	4	5	6	20	22	24	4	5	8
PATHOLOGY	12	12	13	10	10	11	2	2	2	12	12	13	0	0	0
PHARMACOLOGY	6	6	10	4	4	6	2	2	4	5	5	7	1	1	3
PHYSIOLOGY	3	3	5	1	1	3	2	2	2	1	1	3	2	2	2
ZOOLOGY	9	9	8	7	7	6	2	2	2	5	5	4	4	4	4
BIOSCIENCES, NEC.	26	25	31	16	16	21	10	9	10	14	13	13	12	12	18
HEALTH SCIENCES	338	375	463	236	263	323	102	112	140	258	287	351	80	88	112
ANESTHESIOLOGY	6	6	7	5	5	5	1	1	2	6	6	6	0	0	1
CARDIOLOGY	2	2	2	0	0	0	2	2	2	2	2	2	0	0	0
CLINICAL PHARMACOLOGY	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0
DENTISTRY	44	58	81	33	46	59	11	12	22	41	55	78	3	3	3
ENDOCRINOLOGY	1	1	1	0	0	0	1	1	1	1	1	1	0	0	0
GASTROENTEROLOGY	2	2	2	0	0	0	2	2	2	2	2	2	0	0	0
HEMATOLOGY	1	1	2	0	0	0	1	1	2	1	1	2	0	0	0
NEUROLOGY	2	2	2	0	0	0	2	2	2	2	2	2	0	0	0
NURSING	46	59	78	37	43	61	9	16	17	36	45	61	10	14	17
OBSTETRICS/GYNECOLOGY	4	4	4	2	2	2	2	2	2	3	3	3	1	1	1
OPHTHALMOLOGY	8	8	8	5	5	5	3	3	3	5	5	5	3	3	3
OTORHINOLARYNGOLOGY	4	4	4	1	1	1	3	3	3	3	3	3	1	1	1
PEDIATRICS	6	6	6	4	4	4	2	2	2	5	5	5	1	1	1
PHARMACEUTICAL SCIENCES	15	14	23	12	12	15	3	2	8	12	12	18	3	2	5
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	23	24	29	13	13	18	10	11	11	21	22	25	2	2	4
PSYCHIATRY	8	8	8	6	6	6	2	2	2	8	8	8	0	0	0
PULMONARY DISEASE	2	2	2	0	0	0	2	2	2	2	2	2	0	0	0
RADIOLOGY	9	9	9	6	6	6	3	3	3	8	8	8	1	1	1
SPEECH PATH/AUDIOLOGY	66	65	79	52	51	64	14	14	15	36	34	38	30	31	41
SURGERY	11	11	11	5	5	5	6	6	6	10	10	10	1	1	1
VETERINARY SCIENCES	15	15	16	13	13	14	2	2	2	14	14	15	1	1	1
CLINICAL MEDICINE, NEC.	16	19	20	9	12	12	7	7	8	15	17	18	1	2	2
HEALTH RELATED, NEC.	47	55	68	33	39	46	14	16	22	25	30	38	22	25	30
PSYCHOLOGY	209	211	232	140	138	154	69	73	78	54	53	55	155	158	177
SOCIAL SCIENCES	724	768	843	552	580	633	172	188	210	378	404	421	346	364	422
AGRICULTURAL ECONOMICS	16	16	16	15	15	15	1	1	1	14	14	14	2	2	2
ANTHROPOLOGY	42	41	44	36	35	38	6	6	6	29	28	28	13	13	16
ECONOMICS (EXCEPT AGRICULTURAL)	111	110	113	83	81	84	28	29	29	56	55	55	55	55	58
GEOGRAPHY	66	68	73	61	64	68	5	4	5	36	37	38	30	31	35
HISTORY AND PHILOSOPHY OF SCIENCE	1	1	1	0	0	0	1	1	1	1	1	1	0	0	0
LINGUISTICS	38	37	36	31	30	29	7	7	7	26	25	24	12	12	12
POLITICAL SCIENCE	208	232	262	143	161	176	65	71	86	91	104	111	117	128	151
SOCIOLOGY	150	161	174	118	123	135	32	38	39	87	94	97	63	67	77
SOCIOLOGY/ANTHROPOLOGY	14	15	17	9	9	10	5	6	7	11	12	13	3	3	4
SOCIAL SCIENCES, NEC.	78	87	107	56	62	78	22	25	29	27	34	40	51	53	67

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-2. GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS, BY FIELD OF SCIENCE, ENROLLMENT STATUS, AND INSTITUTIONS' HIGHEST DEGREE GRANTED: 1977

FIELD OF SCIENCE	TOTAL			FULL TIME			PART TIME		
	TOTAL	DOCTORATE-GRANTING	MASTER'S-GRANTING	TOTAL	DOCTORATE-GRANTING	MASTER'S-GRANTING	TOTAL	DOCTORATE-GRANTING	MASTER'S-GRANTING
TOTAL, ALL FIELDS	116,323	60,055	56,268	52,590	32,614	19,976	63,733	27,441	36,292
ENGINEERING	18,266	13,073	5,193	4,461	3,507	954	13,805	9,566	4,239
AERONAUTICAL	57	35	22	33	24	9	24	11	13
AGRICULTURAL	152	144	8	127	119	8	25	25	0
BIOMEDICAL	89	59	30	35	35	0	54	24	30
CHEMICAL	478	340	138	179	141	38	299	199	100
CIVIL	1,988	1,192	796	646	493	153	1,342	699	643
ELECTRICAL	2,186	985	1,201	543	328	215	1,643	657	986
ENGINEERING SCIENCE	678	493	185	239	208	31	439	285	154
INDUSTRIAL	7,346	6,535	811	934	793	141	6,412	5,742	670
MECHANICAL	1,153	537	616	313	223	90	840	314	526
METALLURGICAL/MATERIALS	129	64	65	55	49	6	74	15	59
MINING	219	208	11	154	143	11	65	65	0
NUCLEAR	97	78	19	59	54	5	38	24	14
PETROLEUM	46	46	0	39	39	0	7	7	0
ENGINEERING, NEC.	3,648	2,357	1,291	1,105	858	247	2,543	1,499	1,044
PHYSICAL SCIENCES	3,280	1,197	2,083	1,587	778	809	1,693	419	1,274
ASTRONOMY	23	23	0	16	16	0	7	7	0
CHEMISTRY	2,085	603	1,482	976	384	592	1,109	219	890
PHYSICS	1,010	571	439	548	378	170	462	193	269
PHYSICAL SCIENCES, NEC.	162	0	162	47	0	47	115	0	115
ENVIRONMENTAL SCIENCES	2,776	1,557	1,219	1,624	1,233	391	1,152	324	828
ATMOSPHERIC SCIENCES	59	49	10	37	33	4	22	16	6
GEOSCIENCES	1,677	1,183	494	1,122	934	188	555	249	306
OCEANOGRAPHY	325	148	177	154	107	47	171	41	130
ENVIRONMENTAL SCIENCES, NEC.	715	177	538	311	159	152	404	18	386
MATHEMATICAL SCIENCES	7,937	3,926	4,011	2,851	1,892	959	5,086	2,034	3,052
COMPUTER SCIENCE	3,553	1,822	1,731	1,268	888	380	2,285	934	1,351
MATHEMATICS AND APPLIED MATHEMATICS	4,077	1,992	2,085	1,488	925	563	2,589	1,067	1,522
STATISTICS	307	112	195	95	79	16	212	33	179
LIFE SCIENCES	31,375	18,329	13,046	16,844	11,939	4,905	14,531	6,390	8,141
AGRICULTURAL SCIENCES	3,076	2,140	936	2,184	1,694	490	892	446	446
BIOLOGICAL SCIENCES	11,247	4,531	6,716	5,343	2,867	2,476	5,904	1,664	4,240
ANATOMY	0	0	0	0	0	0	0	0	0
BIOCHEMISTRY	156	23	133	55	22	33	101	1	100
BIOLOGY	8,134	2,584	5,550	3,607	1,566	2,041	4,527	1,018	3,509
BIOMETRY/EPIDEMIOLOGY	53	53	0	41	41	0	12	12	0
BIOPHYSICS	3	3	0	3	3	0	0	0	0
BOTANY	184	158	26	151	131	20	33	27	6
CELL BIOLOGY	0	0	0	0	0	0	0	0	0
ECOLOGY	40	40	0	11	11	0	29	29	0
ENTOMOLOGY/PARASITOLOGY	71	71	0	55	55	0	16	16	0
GENETICS	69	17	52	51	13	38	18	4	14
MICROBIOLOGY	527	197	330	288	145	143	239	52	187
NUTRITION	871	671	200	548	459	89	323	212	111
PATHOLOGY	102	102	0	38	38	0	64	64	0
PHARMACOLOGY	75	62	13	68	57	11	7	5	2
PHYSIOLOGY	104	37	67	24	9	15	80	28	52
ZOOLOGY	122	76	46	113	71	42	9	5	4
BIOSCIENCES, NEC.	736	437	299	290	246	44	446	191	255
HEALTH SCIENCES	17,052	11,658	5,394	9,317	7,378	1,939	7,735	4,280	3,455
ANESTHESIOLOGY	3	2	1	3	2	1	0	0	0
CARDIOLOGY	0	0	0	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	11	11	0	11	11	0	0	0	0
DENTISTRY	1,022	996	26	902	876	26	120	120	0
ENDOCRINOLOGY	0	0	0	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	13	13	0	2	2	0	11	11	0
NEUROLOGY	0	0	0	0	0	0	0	0	0
NURSING	6,006	5,036	970	3,206	2,861	345	2,800	2,175	625
OBSTETRICS/GYNECOLOGY	2	0	2	2	0	2	0	0	0
OPHTHALMOLOGY	10	1	9	4	0	4	6	1	5
OTORHINOLARYNGOLOGY	4	2	2	3	1	2	1	1	0
PEDIATRICS	32	29	3	29	26	3	3	3	0
PHARMACEUTICAL SCIENCES	362	240	122	218	198	20	144	42	102
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,099	967	132	534	490	44	565	477	88
PSYCHIATRY	18	18	0	10	10	0	8	8	0
PULMONARY DISEASE	0	0	0	0	0	0	0	0	0
RADIOLOGY	41	40	1	33	32	1	8	8	0
SPEECH PATHOLOGY/AUDIOLOGY	3,745	2,129	1,616	2,206	1,442	764	1,539	687	852
SURGERY	21	14	7	14	7	7	7	7	0
VETERINARY SCIENCES	148	127	21	90	74	16	58	53	5
CLINICAL MEDICINE, NEC.	658	549	109	495	457	38	163	92	71
HEALTH RELATED, NEC.	3,857	1,484	2,373	1,555	889	666	2,302	595	1,707
PSYCHOLOGY	13,544	2,307	11,237	6,323	1,570	4,753	7,221	737	6,484
SOCIAL SCIENCES	39,145	19,666	19,479	18,900	11,695	7,205	20,245	7,971	12,274
AGRICULTURAL ECONOMICS	310	289	21	268	250	18	42	39	3
ANTHROPOLOGY	1,363	823	540	800	632	168	563	191	372
ECONOMICS (EXCEPT AGRICULTURAL)	2,296	1,285	1,011	1,199	837	362	1,097	448	649
GEOGRAPHY	1,396	742	654	675	461	214	721	281	440
HISTORY AND PHILOSOPHY OF SCIENCE	10	10	0	0	0	0	10	10	0
LINGUISTICS	1,452	953	499	706	590	114	748	363	385
POLITICAL SCIENCE	15,335	5,912	9,423	5,195	2,790	2,405	10,140	3,122	7,018
SOCIOLOGY	5,673	3,961	1,712	2,971	2,202	769	2,702	1,759	943
SOCIOLOGY/ANTHROPOLOGY	358	312	46	229	209	20	129	103	26
SOCIAL SCIENCES, NEC.	10,952	5,379	5,573	6,859	3,724	3,135	4,093	1,655	2,438

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-3. GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS, BY FIELD OF SCIENCE, ENROLLMENT STATUS, AND SEX: 1977

FIELD OF SCIENCE	TOTAL			FULL TIME			PART TIME		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	116,323	71,614	44,709	52,590	30,531	22,059	63,733	41,083	22,650
ENGINEERING	18,266	17,028	1,238	4,461	4,098	363	13,805	12,930	875
AERONAUTICAL	57	57	0	33	33	0	24	24	0
AGRICULTURAL	152	147	5	127	122	5	25	25	0
BIOMEDICAL	89	80	9	35	33	2	54	47	7
CHEMICAL	478	418	60	179	155	24	299	263	36
CIVIL	1,988	1,845	143	646	591	55	1,342	1,254	88
ELECTRICAL	2,186	2,098	88	543	524	19	1,643	1,574	69
ENGINEERING SCIENCE	678	634	44	239	225	14	439	409	30
INDUSTRIAL	7,346	6,903	443	934	826	108	6,412	6,077	335
MECHANICAL	1,153	1,114	39	313	305	8	840	809	31
METALLURGICAL/MATERIALS	129	117	12	55	51	4	74	66	8
MINING	219	208	11	154	144	10	65	64	1
NUCLEAR	97	93	4	59	58	1	38	35	3
PETROLEUM	46	46	0	39	39	0	7	7	0
ENGINEERING, NEC.	3,648	3,268	380	1,105	992	113	2,543	2,276	267
PHYSICAL SCIENCES	3,280	2,574	706	1,587	1,251	336	1,693	1,323	370
ASTRONOMY	23	19	4	16	12	4	7	7	0
CHEMISTRY	2,085	1,545	540	976	737	239	1,109	808	301
PHYSICS	1,010	879	131	548	467	81	462	412	50
PHYSICAL SCIENCES, NEC.	162	131	31	47	35	12	115	96	19
ENVIRONMENTAL SCIENCES	2,776	2,268	508	1,624	1,348	276	1,152	920	232
ATMOSPHERIC SCIENCES	59	53	6	37	33	4	22	20	2
GEOSCIENCES	1,677	1,416	261	1,122	955	167	555	461	94
OCEANOGRAPHY	325	265	60	154	122	32	171	143	28
ENVIRONMENTAL SCIENCES, NEC.	715	534	181	311	238	73	404	296	108
MATHEMATICAL SCIENCES	7,937	5,573	2,364	2,851	2,077	774	5,086	3,496	1,590
COMPUTER SCIENCE	3,553	2,816	737	1,268	1,004	264	2,285	1,812	473
MATHEMATICS AND APPLIED MATHEMATICS	4,077	2,529	1,548	1,488	1,008	480	2,589	1,521	1,068
STATISTICS	307	228	79	95	65	30	212	163	49
LIFE SCIENCES	31,375	13,859	17,516	16,844	7,807	9,037	14,531	6,052	8,479
AGRICULTURAL SCIENCES	3,076	2,444	632	2,184	1,696	488	892	748	144
BIOLOGICAL SCIENCES	11,247	6,709	4,538	5,343	3,272	2,071	5,904	3,437	2,467
ANATOMY	0	0	0	0	0	0	0	0	0
BIOCHEMISTRY	156	106	50	55	45	10	101	61	40
BIOLOGY	8,134	5,228	2,906	3,607	2,406	1,201	4,527	2,822	1,705
BIOMETRY/EPIDEMIOLOGY	53	22	31	41	18	23	12	4	8
BIOPHYSICS	3	3	0	3	3	0	0	0	0
BOTANY	184	116	68	151	92	59	33	24	9
CELL BIOLOGY	0	0	0	0	0	0	0	0	0
ECOLOGY	40	31	9	11	10	1	29	21	8
ENTOMOLOGY/PARASITOLOGY	71	64	7	55	50	5	16	14	2
GENETICS	69	6	63	51	6	45	18	0	18
MICROBIOLOGY	527	345	182	288	223	65	239	122	117
NUTRITION	871	174	697	548	128	420	323	46	277
PATHOLOGY	102	36	66	38	21	17	64	15	49
PHARMACOLOGY	75	58	17	68	54	14	7	4	3
PHYSIOLOGY	104	85	19	24	21	3	80	64	16
ZOOLOGY	122	82	40	113	77	36	9	5	4
BIOSCIENCES, NEC.	736	353	383	290	118	172	446	235	211
HEALTH SCIENCES	17,052	4,706	12,346	9,317	2,839	6,478	7,735	1,867	5,868
ANESTHESIOLOGY	3	2	1	3	2	1	0	0	0
CARDIOLOGY	0	0	0	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	11	8	3	11	8	3	0	0	0
DENTISTRY	1,022	890	132	902	792	110	120	98	22
ENDOCRINOLOGY	0	0	0	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	13	5	8	2	1	1	11	4	7
NEUROLOGY	0	0	0	0	0	0	0	0	0
NURSING	6,006	224	5,782	3,206	153	3,053	2,800	71	2,729
OBSTETRICS/GYNECOLOGY	2	2	0	2	2	0	0	0	0
OPHTHALMOLOGY	10	10	0	4	4	0	6	6	0
OTORHINOLARYNGOLOGY	4	4	0	3	3	0	1	1	0
PEDIATRICS	32	11	21	29	10	19	3	1	2
PHARMACEUTICAL SCIENCES	362	274	88	218	163	55	144	111	33
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	1,099	540	559	534	291	243	565	249	316
PSYCHIATRY	18	14	4	10	9	1	8	5	3
PULMONARY DISEASE	0	0	0	0	0	0	0	0	0
RADIOLOGY	41	30	11	33	24	9	8	6	2
SPEECH PATHOLOGY/AUDIOLOGY	3,745	441	3,304	2,206	296	1,910	1,539	145	1,394
SURGERY	21	20	1	14	13	1	7	7	0
VETERINARY SCIENCES	148	109	39	90	67	23	58	42	16
CLINICAL MEDICINE, NEC.	658	267	391	495	209	286	163	58	105
HEALTH RELATED, NEC.	3,857	1,855	2,002	1,555	792	763	2,302	1,063	1,239
PSYCHOLOGY	13,544	6,412	7,132	6,323	3,160	3,163	7,221	3,252	3,969
SOCIAL SCIENCES	39,145	23,900	15,245	18,900	10,790	8,110	20,245	13,110	7,135
AGRICULTURAL ECONOMICS	310	261	49	268	226	42	42	35	7
ANTHROPOLOGY	1,363	667	696	800	404	396	563	263	300
ECONOMICS (EXCEPT AGRICULTURAL)	2,296	1,807	489	1,199	925	274	1,097	882	215
GEOGRAPHY	1,396	1,053	343	675	514	161	721	539	182
HISTORY AND PHILOSOPHY OF SCIENCE	10	10	0	0	0	0	10	10	0
LINGUISTICS	1,452	551	901	704	263	441	748	288	460
POLITICAL SCIENCE	15,335	10,890	4,445	5,195	3,686	1,509	10,140	7,204	2,936
SOCIOLOGY	5,673	3,239	2,434	2,971	1,798	1,173	2,702	1,441	1,261
SOCIOLOGY/ANTHROPOLOGY	358	195	163	229	114	115	129	81	48
SOCIAL SCIENCES, NEC.	10,952	5,227	5,725	6,859	2,860	3,999	4,093	2,367	1,726

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-4. GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS AT PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE, ENROLLMENT STATUS, AND SEX: 1977

FIELD OF SCIENCE	TOTAL			FULL TIME			PART TIME		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	81,135	47,983	33,152	40,339	23,407	16,932	40,796	24,576	16,220
ENGINEERING	9,345	8,719	626	3,253	3,003	250	6,092	5,716	376
AERONAUTICAL	33	33	0	18	18	0	15	15	0
AGRICULTURAL	152	147	5	127	122	5	25	25	0
BIOMEDICAL	31	28	3	29	27	2	2	1	1
CHEMICAL	395	338	57	154	132	22	241	206	35
CIVIL	1,576	1,464	112	515	476	39	1,061	988	73
ELECTRICAL	1,452	1,385	67	345	331	14	1,107	1,054	53
ENGINEERING SCIENCE	485	455	30	198	190	8	287	265	22
INDUSTRIAL	1,480	1,352	128	383	333	50	1,097	1,019	78
MECHANICAL	677	651	26	222	216	6	455	435	20
METALLURGICAL/MATERIALS	108	98	10	55	51	4	53	47	6
MINING	219	208	11	154	144	10	65	64	1
NUCLEAR	78	76	2	54	53	1	24	23	1
PETROLEUM	46	46	0	39	39	0	7	7	0
ENGINEERING, NEC.	2,613	2,438	175	960	871	89	1,653	1,567	86
PHYSICAL SCIENCES	2,535	1,990	545	1,300	1,032	268	1,235	958	277
ASTRONOMY	22	18	4	15	11	4	7	7	0
CHEMISTRY	1,549	1,144	405	770	583	187	779	561	218
PHYSICS	821	715	106	473	407	66	348	308	40
PHYSICAL SCIENCES, NEC.	143	113	30	42	31	11	101	82	19
ENVIRONMENTAL SCIENCES	2,420	1,976	444	1,477	1,225	252	943	751	192
ATMOSPHERIC SCIENCES	59	53	6	37	33	4	22	20	2
GEOSCIENCES	1,555	1,320	235	1,050	896	154	505	424	81
OCEANOGRAPHY	198	157	41	135	106	29	63	51	12
ENVIRONMENTAL SCIENCES, NEC.	608	446	162	255	190	65	353	256	97
MATHEMATICAL SCIENCES	5,454	3,680	1,774	2,249	1,611	638	3,205	2,069	1,136
COMPUTER SCIENCE	1,914	1,502	412	940	733	207	974	769	205
MATHEMATICS AND APPLIED MATHEMATICS	3,391	2,074	1,317	1,224	823	401	2,167	1,251	916
STATISTICS	149	104	45	85	55	30	64	49	15
LIFE SCIENCES	24,177	10,664	13,513	13,597	6,341	7,256	10,580	4,323	6,257
AGRICULTURAL SCIENCES	2,902	2,307	595	2,103	1,628	475	799	679	120
BIOLOGICAL SCIENCES	8,654	5,218	3,436	4,356	2,661	1,695	4,298	2,557	1,741
ANATOMY	0	0	0	0	0	0	0	0	0
BIOCHEMISTRY	75	58	17	41	34	7	34	24	10
BIOLOGY	6,475	4,225	2,250	2,981	1,986	995	3,494	2,239	1,255
BIOMETRY/EPIDEMIOLOGY	6	3	3	4	3	1	2	0	2
BIOPHYSICS	3	3	0	3	3	0	0	0	0
BOTANY	139	90	49	125	78	47	14	12	2
CELL BIOLOGY	0	0	0	0	0	0	0	0	0
ECOLOGY	40	31	9	11	10	1	29	21	8
ENTOMOLOGY/PARASITOLOGY	71	64	7	55	50	5	16	14	2
GENETICS	17	4	13	13	4	9	4	0	4
MICROBIOLOGY	388	249	139	215	160	55	173	89	84
NUTRITION	708	149	559	473	111	362	235	38	197
PATHOLOGY	92	28	64	28	13	15	64	15	49
PHARMACOLOGY	50	40	10	45	37	8	5	3	2
PHYSIOLOGY	37	28	9	9	8	1	28	20	8
ZOOLOGY	115	75	40	107	71	36	8	4	4
BIOSCIENCES, NEC.	438	171	267	246	93	153	192	78	114
HEALTH SCIENCES	12,621	3,139	9,482	7,138	2,052	5,086	5,483	1,087	4,396
ANESTHESIOLOGY	2	1	1	2	1	1	0	0	0
CARDIOLOGY	0	0	0	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0	0	0	0	0
DENTISTRY	768	656	112	667	577	90	101	79	22
ENDOCRINOLOGY	0	0	0	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0	0	0	0
NURSING	4,665	180	4,485	2,522	122	2,400	2,143	58	2,085
OBSTETRICS/GYNECOLOGY	0	0	0	0	0	0	0	0	0
OPHTHALMOLOGY	7	7	0	1	1	0	6	6	0
OTORHINOLARYNGOLOGY	0	0	0	0	0	0	0	0	0
PEDIATRICS	26	9	17	24	9	15	2	0	2
PHARMACEUTICAL SCIENCES	218	157	61	176	124	52	42	33	9
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	646	386	260	364	227	137	282	159	123
PSYCHIATRY	10	6	4	2	1	1	8	5	3
PULMONARY DISEASE	0	0	0	0	0	0	0	0	0
RADIOLOGY	39	28	11	31	22	9	8	6	2
SPEECH PATHOLOGY/AUDIOLOGY	3,248	387	2,861	1,899	267	1,632	1,349	120	1,229
SURGERY	9	9	0	2	2	0	7	7	0
VETERINARY SCIENCES	127	95	32	74	56	18	53	39	14
CLINICAL MEDICINE, NEC.	430	195	235	284	140	144	146	55	91
HEALTH RELATED, NEC.	2,426	1,023	1,403	1,090	503	587	1,336	520	816
PSYCHOLOGY	9,498	4,543	4,955	4,550	2,305	2,245	4,948	2,238	2,710
SOCIAL SCIENCES	27,706	16,411	11,295	13,913	7,890	6,023	13,793	8,521	5,272
AGRICULTURAL ECONOMICS	308	259	49	266	224	42	42	35	7
ANTHROPOLOGY	1,215	616	599	700	372	328	515	244	271
ECONOMICS (EXCEPT AGRICULTURAL)	1,687	1,317	370	843	637	206	844	680	164
GEOGRAPHY	1,354	1,026	328	652	497	155	702	529	173
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0	0	0	0
LINGUISTICS	1,124	381	743	578	215	363	546	166	380
POLITICAL SCIENCE	9,386	6,537	2,849	3,586	2,529	1,057	5,800	4,008	1,792
SOCIOLOGY	4,838	2,788	2,050	2,587	1,594	993	2,251	1,194	1,057
SOCIOLOGY/ANTHROPOLOGY	272	150	122	168	80	88	104	70	34
SOCIAL SCIENCES, NEC.	7,522	3,337	4,185	4,533	1,742	2,791	2,989	1,595	1,394

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-5. GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS AT PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE, ENROLLMENT STATUS, AND SEX: 1977

FIELD OF SCIENCE	TOTAL			FULL TIME			PART TIME		
	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN
TOTAL, ALL FIELDS	35,188	23,631	11,557	12,251	7,124	5,127	22,937	16,507	6,430
ENGINEERING	8,921	8,309	612	1,208	1,095	113	7,713	7,214	499
AERONAUTICAL	24	24	0	15	15	0	9	9	0
AGRICULTURAL	0	0	0	0	0	0	0	0	0
BIOMEDICAL	58	52	6	6	6	0	52	46	6
CHEMICAL	83	80	3	25	23	2	58	57	1
CIVIL	412	381	31	131	115	16	281	266	15
ELECTRICAL	734	713	21	198	193	5	536	520	16
ENGINEERING SCIENCE	193	179	14	41	35	6	152	144	8
INDUSTRIAL	5,866	5,551	315	551	493	58	5,315	5,058	257
MECHANICAL	476	463	13	91	89	2	385	374	11
METALLURGICAL/MATERIALS	21	19	2	0	0	0	21	19	2
MINING	0	0	0	0	0	0	0	0	0
NUCLEAR	19	17	2	5	5	0	14	12	2
PETROLEUM	0	0	0	0	0	0	0	0	0
ENGINEERING, NEC.	1,035	830	205	145	121	24	890	709	181
PHYSICAL SCIENCES	745	584	161	287	219	68	458	365	93
ASTRONOMY	1	1	0	1	1	0	0	0	0
CHEMISTRY	536	401	135	206	154	52	330	247	83
PHYSICS	189	164	25	75	60	15	114	104	10
PHYSICAL SCIENCES, NEC.	19	18	1	5	4	1	14	14	0
ENVIRONMENTAL SCIENCES	356	292	64	147	123	24	209	169	40
ATMOSPHERIC SCIENCES	0	0	0	0	0	0	0	0	0
GEOSCIENCES	122	96	26	72	59	13	50	37	13
OCEANOGRAPHY	127	108	19	19	16	3	108	92	16
ENVIRONMENTAL SCIENCES, NEC.	107	88	19	56	48	8	51	40	11
MATHEMATICAL SCIENCES	2,483	1,893	590	602	466	136	1,881	1,427	454
COMPUTER SCIENCE	1,639	1,314	325	328	271	57	1,311	1,043	268
MATHEMATICS AND APPLIED MATHEMATICS	686	455	231	264	185	79	422	270	152
STATISTICS	158	124	34	10	10	0	148	114	34
LIFE SCIENCES	7,198	3,195	4,003	3,247	1,466	1,781	3,951	1,729	2,222
AGRICULTURAL SCIENCES	174	137	37	81	68	13	93	69	24
BIOLOGICAL SCIENCES	2,593	1,491	1,102	987	611	376	1,606	880	726
ANATOMY	0	0	0	0	0	0	0	0	0
BIOCHEMISTRY	81	48	33	14	11	3	67	37	30
BIOLOGY	1,659	1,003	656	626	420	206	1,033	583	450
BIOMETRY/EPIDEMIOLOGY	47	19	28	37	15	22	10	4	6
BIOPHYSICS	0	0	0	0	0	0	0	0	0
BOTANY	45	26	19	26	14	12	19	12	7
CELL BIOLOGY	0	0	0	0	0	0	0	0	0
ECOLOGY	0	0	0	0	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0	0	0	0	0
GENETICS	52	2	50	38	2	36	14	0	14
MICROBIOLOGY	139	96	43	73	63	10	66	33	33
NUTRITION	163	25	138	75	17	58	88	8	80
PATHOLOGY	10	8	2	10	8	2	0	0	0
PHARMACOLOGY	25	18	7	23	17	6	2	1	1
PHYSIOLOGY	67	57	10	15	13	2	52	44	8
ZOOLOGY	7	7	0	6	6	0	1	1	0
BIOSCIENCES, NEC.	298	182	116	44	25	19	254	157	97
HEALTH SCIENCES	4,431	1,567	2,864	2,179	787	1,392	2,252	780	1,472
ANESTHESIOLOGY	1	1	0	1	1	0	0	0	0
CARDIOLOGY	0	0	0	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	11	8	3	11	8	3	0	0	0
DENTISTRY	254	234	20	235	215	20	19	19	0
ENDOCRINOLOGY	0	0	0	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	13	5	8	2	1	1	11	4	7
NEUROLOGY	0	0	0	0	0	0	0	0	0
NURSING	1,341	44	1,297	684	31	653	657	13	644
OBSTETRICS/GYNECOLOGY	2	2	0	2	2	0	0	0	0
OPHTHALMOLOGY	3	3	0	3	3	0	0	0	0
OTORHINOLARYNGOLOGY	4	4	0	3	3	0	1	1	0
PEDIATRICS	6	2	4	5	1	4	1	1	0
PHARMACEUTICAL SCIENCES	144	117	27	42	39	3	102	78	24
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	453	154	299	170	64	106	283	90	193
PSYCHIATRY	8	8	0	8	8	0	0	0	0
PULMONARY DISEASE	0	0	0	0	0	0	0	0	0
RADIOLOGY	2	2	0	2	2	0	0	0	0
SPEECH PATHOLOGY/AUDIOLOGY	497	54	443	307	29	278	190	25	165
SURGERY	12	11	1	12	11	1	0	0	0
VETERINARY SCIENCES	21	14	7	16	11	5	5	3	2
CLINICAL MEDICINE, NEC.	228	72	156	211	69	142	17	3	14
HEALTH RELATED, NEC.	1,431	832	599	465	289	176	966	543	423
PSYCHOLOGY	4,046	1,869	2,177	1,773	855	918	2,273	1,014	1,259
SOCIAL SCIENCES	11,439	7,489	3,950	4,987	2,900	2,087	6,452	4,589	1,863
AGRICULTURAL ECONOMICS	2	2	0	2	2	0	0	0	0
ANTHROPOLOGY	148	51	97	100	32	68	48	19	29
ECONOMICS (EXCEPT AGRICULTURAL)	609	490	119	356	288	68	253	202	51
GEOGRAPHY	42	27	15	23	17	6	19	10	9
HISTORY AND PHILOSOPHY OF SCIENCE	10	10	0	0	0	0	10	10	0
LINGUISTICS	328	170	158	126	48	78	202	122	80
POLITICAL SCIENCE	5,949	4,353	1,596	1,609	1,157	452	4,340	3,196	1,144
SOCIOLOGY	835	451	384	384	204	180	451	247	204
SOCIOLOGY/ANTHROPOLOGY	86	45	41	61	34	27	25	11	14
SOCIAL SCIENCES, NEC.	3,430	1,890	1,540	2,326	1,118	1,208	1,104	772	332

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-6. GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS, BY DIVISION, STATE, ENROLLMENT STATUS, AND SOURCE OF MAJOR SUPPORT: 1977

DIVISION AND STATE	TOTAL	FULL TIME						PART TIME	
		TOTAL		FEDERAL		NON-FEDERAL			
		NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
UNITED STATES TOTAL	116,323	52,590	45.2	8,623	16.4	43,967	83.6	63,733	54.8
NEW ENGLAND	8,524	3,286	38.5	539	16.4	2,747	83.6	5,238	61.5
CONNECTICUT	2,424	467	19.3	65	13.9	402	86.1	1,957	80.7
MAINE	250	177	70.8	48	27.1	129	72.9	73	29.2
MASSACHUSETTS	4,468	1,627	36.4	329	20.2	1,298	79.8	2,841	63.6
NEW HAMPSHIRE	251	154	61.4	33	21.4	121	78.6	97	38.6
RHODE ISLAND	350	174	49.7	32	18.4	142	81.6	176	50.3
VERMONT	781	687	88.0	32	4.7	655	95.3	94	12.0
MIDDLE ATLANTIC	18,776	5,745	30.6	857	14.9	4,888	85.1	13,031	69.4
NEW JERSEY	4,523	845	18.7	97	11.5	748	88.5	3,678	81.3
NEW YORK	9,842	3,490	35.5	583	16.7	2,907	83.3	6,352	64.5
PENNSYLVANIA	4,411	1,410	32.0	177	12.6	1,233	87.4	3,001	68.0
EAST NORTH CENTRAL	16,714	8,406	50.3	1,040	12.4	7,366	87.6	8,308	49.7
ILLINOIS	5,914	2,625	44.4	216	8.2	2,409	91.8	3,289	55.6
INDIANA	2,098	711	33.9	132	18.6	579	81.4	1,387	66.1
MICHIGAN	2,631	1,604	61.0	130	8.1	1,474	91.9	1,027	39.0
OHIO	3,922	2,130	54.3	321	15.1	1,809	84.9	1,792	45.7
WISCONSIN	2,149	1,336	62.2	241	18.0	1,095	82.0	813	37.8
WEST NORTH CENTRAL	7,221	4,018	55.6	686	17.1	3,332	82.9	3,203	44.4
IOWA	676	383	56.7	83	21.7	300	78.3	293	43.3
KANSAS	2,114	1,112	52.6	171	15.4	941	84.6	1,002	47.4
MINNESOTA	931	611	65.6	124	20.3	487	79.7	320	34.4
MISSOURI	1,923	947	49.2	180	19.0	767	81.0	976	50.8
NEBRASKA	848	436	51.4	47	10.8	389	89.2	412	48.6
NORTH DAKOTA	389	229	58.9	25	10.9	204	89.1	160	41.1
SOUTH DAKOTA	340	300	88.2	56	18.7	244	81.3	40	11.8
SOUTH ATLANTIC	16,129	8,118	50.3	1,790	22.0	6,328	78.0	8,011	49.7
DELAWARE	106	78	73.6	44	56.4	34	43.6	28	26.4
DISTRICT OF COLUMBIA	1,298	427	32.9	41	9.6	386	90.4	871	67.1
FLORIDA	3,994	1,870	46.8	638	34.1	1,232	65.9	2,124	53.2
GEORGIA	1,821	1,263	69.4	202	16.0	1,061	84.0	558	30.6
MARYLAND	2,026	649	32.0	239	36.8	410	63.2	1,377	68.0
NORTH CAROLINA	1,777	1,076	60.6	195	18.1	881	81.9	701	39.4
SOUTH CAROLINA	1,097	700	63.8	85	12.1	615	87.9	397	36.2
VIRGINIA	2,628	1,437	54.7	253	17.6	1,184	82.4	1,191	45.3
WEST VIRGINIA	1,382	618	44.7	93	15.0	525	85.0	764	55.3
EAST SOUTH CENTRAL	6,390	3,761	58.9	482	12.8	3,279	87.2	2,629	41.1
ALABAMA	1,667	904	54.2	161	17.8	743	82.2	763	45.8
KENTUCKY	1,615	982	60.8	54	5.5	928	94.5	633	39.2
MISSISSIPPI	813	532	65.4	107	20.1	425	79.9	281	34.6
TENNESSEE	2,295	1,343	58.5	160	11.9	1,183	88.1	952	41.5
WEST SOUTH CENTRAL	9,479	5,195	54.8	664	12.8	4,531	87.2	4,284	45.2
ARKANSAS	699	363	51.9	95	26.2	268	73.8	336	48.1
LOUISIANA	1,180	743	63.0	19	2.6	724	97.4	437	37.0
OKLAHOMA	611	435	71.2	99	22.8	336	77.2	176	28.8
TEXAS	6,989	3,654	52.3	451	12.3	3,203	87.7	3,335	47.7
MOUNTAIN	4,350	2,986	68.6	603	20.2	2,383	79.8	1,364	31.4
ARIZONA	663	413	62.3	102	24.7	311	75.3	250	37.7
COLORADO	1,430	850	59.4	294	34.6	556	65.4	580	40.6
IDAHO	277	215	77.6	14	6.5	201	93.5	62	22.4
MONTANA	204	187	91.7	41	21.9	146	78.1	17	8.3
NEVADA	387	345	89.1	19	5.5	326	94.5	42	10.9
NEW MEXICO	702	409	58.3	57	13.9	352	86.1	293	41.7
UTAH	477	382	80.1	19	5.0	363	95.0	95	19.9
WYOMING	210	185	88.1	57	30.8	128	69.2	25	11.9
PACIFIC	27,325	10,216	37.4	1,782	17.4	8,434	82.6	17,109	62.6
ALASKA	253	57	22.5	7	12.3	50	87.7	196	77.5
CALIFORNIA	24,230	8,263	34.1	1,328	16.1	6,935	83.9	15,967	65.9
HAWAII	227	178	78.4	65	36.5	113	63.5	49	21.6
OREGON	803	543	67.6	58	10.7	485	89.3	260	32.4
WASHINGTON	1,812	1,175	64.8	324	27.6	851	72.4	637	35.2
U.S. TERRITORIES	1,415	859	60.7	180	21.0	679	79.0	556	39.3

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-7. FULL-TIME GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1977

FIELD OF SCIENCE	TOTAL	FEDERAL SUPPORT	INSTITUTIONAL SUPPORT	OTHER OUTSIDE SUPPORT	SELF-SUPPORT
TOTAL, ALL FIELDS	52,590	8,623	13,649	2,525	27,793
ENGINEERING	4,461	860	1,181	428	1,992
AERONAUTICAL	33	12	7	2	12
AGRICULTURAL	127	31	44	27	25
BIOMEDICAL	35	8	11	1	15
CHEMICAL	179	29	72	33	45
CIVIL	646	104	230	48	264
ELECTRICAL	543	65	161	37	280
ENGINEERING SCIENCE	239	147	29	28	35
INDUSTRIAL	934	281	160	102	391
MECHANICAL	313	31	113	20	149
METALLURGICAL/MATERIALS	55	23	15	8	9
MINING	154	47	16	28	63
NUCLEAR	59	8	42	0	9
PETROLEUM	39	10	6	17	6
ENGINEERING, NEC.	1,105	64	275	77	689
PHYSICAL SCIENCES	1,587	93	1,006	81	407
ASTRONOMY	16	3	8	0	5
CHEMISTRY	976	58	593	64	261
PHYSICS	548	31	391	16	110
PHYSICAL SCIENCES, NEC.	47	1	14	1	31
ENVIRONMENTAL SCIENCES	1,624	206	713	111	594
ATMOSPHERIC SCIENCES	37	19	7	1	10
GEOSCIENCES	1,122	130	547	86	359
OCEANOGRAPHY	154	36	52	11	55
ENVIRONMENTAL SCIENCES, NEC.	311	21	107	13	170
MATHEMATICAL SCIENCES	2,851	156	1,163	87	1,445
COMPUTER SCIENCE	1,268	109	317	47	795
MATHEMATICS AND APPLIED MATHEMATICS	1,488	39	793	34	622
STATISTICS	95	8	53	6	28
LIFE SCIENCES	16,844	4,130	4,013	782	7,919
AGRICULTURAL SCIENCES	2,184	320	598	158	1,108
BIOLOGICAL SCIENCES	5,343	478	2,189	250	2,426
ANATOMY	0	0	0	0	0
BIOCHEMISTRY	55	8	32	1	14
BIOLOGY	3,607	248	1,636	120	1,603
BIOMETRY/EPIDEMIOLOGY	41	11	2	4	24
BIOPHYSICS	3	0	1	0	2
BOTANY	151	23	57	22	49
CELL BIOLOGY	0	0	0	0	0
ECOLOGY	11	1	8	2	0
ENTOMOLOGY/PARASITOLOGY	55	11	15	1	28
GENETICS	51	0	11	19	21
MICROBIOLOGY	288	17	126	7	138
NUTRITION	548	53	172	44	279
PATHOLOGY	38	0	9	1	28
PHARMACOLOGY	68	12	13	8	35
PHYSIOLOGY	24	0	9	2	13
ZOOLOGY	113	11	44	10	48
BIOSCIENCES, NEC.	290	83	54	9	144
HEALTH SCIENCES	9,317	3,332	1,226	374	4,385
ANESTHESIOLOGY	3	0	2	1	0
CARDIOLOGY	0	0	0	0	0
CLINICAL PHARMACOLOGY	11	0	3	5	3
DENTISTRY	902	110	319	66	407
ENDOCRINOLOGY	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0
HEMATOLOGY	2	0	0	0	2
NEUROLOGY	0	0	0	0	0
NURSING	3,206	2,206	140	51	809
OBSTETRICS/GYNECOLOGY	2	0	2	0	0
OPHTHALMOLOGY	4	0	1	1	2
OTORHINOLARYNGOLOGY	3	1	2	0	0
PEDIATRICS	29	6	7	1	15
PHARMACEUTICAL SCIENCES	218	42	84	10	82
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	534	185	81	47	221
PSYCHIATRY	10	0	9	0	1
PULMONARY DISEASE	0	0	0	0	0
RADIOLOGY	33	1	12	3	17
SPEECH PATHOLOGY/AUDIOLOGY	2,206	400	348	57	1,401
SURGERY	14	0	14	0	0
VETERINARY SCIENCES	90	10	35	12	33
CLINICAL MEDICINE, NEC.	495	88	65	34	308
HEALTH RELATED, NEC.	1,555	283	102	86	1,084
PSYCHOLOGY	6,323	500	1,613	207	4,003
SOCIAL SCIENCES	18,900	2,678	3,960	829	11,433
AGRICULTURAL ECONOMICS	268	88	93	28	59
ANTHROPOLOGY	800	68	193	6	533
ECONOMICS (EXCEPT AGRICULTURAL)	1,199	54	425	152	568
GEOGRAPHY	675	41	379	32	223
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0
LINGUISTICS	704	41	345	8	310
POLITICAL SCIENCE	5,195	691	892	264	3,348
SOCIOLOGY	2,971	228	920	115	1,708
SOCIOLOGY/ANTHROPOLOGY	229	23	95	5	106
SOCIAL SCIENCES, NEC.	6,859	1,444	618	219	4,578

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-8. FULL-TIME GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS AT PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1977

FIELD OF SCIENCE	TOTAL	FEDERAL SUPPORT	INSTITUTIONAL SUPPORT	OTHER OUTSIDE SUPPORT	SELF-SUPPORT
TOTAL, ALL FIELDS	40,339	6,612	11,387	1,578	20,762
ENGINEERING	3,253	520	976	215	1,542
AERONAUTICAL	18	8	5	2	3
AGRICULTURAL	127	31	44	27	25
BIOMEDICAL	29	8	6	1	14
CHEMICAL	154	29	45	21	39
CIVIL	515	70	187	31	227
ELECTRICAL	345	45	122	10	168
ENGINEERING SCIENCE	198	135	24	15	24
INDUSTRIAL	383	33	109	8	233
MECHANICAL	222	22	92	12	96
METALLURGICAL/MATERIALS	55	23	15	8	9
MINING	154	47	16	28	63
NUCLEAR	54	6	40	0	8
PETROLEUM	39	10	6	17	6
ENGINEERING, NEC.	960	53	245	35	627
PHYSICAL SCIENCES	1,300	82	832	61	325
ASTRONOMY	15	2	8	0	5
CHEMISTRY	770	51	477	52	190
PHYSICS	473	28	336	9	100
PHYSICAL SCIENCES, NEC.	42	1	11	0	30
ENVIRONMENTAL SCIENCES	1,477	188	662	96	531
ATMOSPHERIC SCIENCES	37	19	7	1	10
GEOSCIENCES	1,050	116	515	78	341
OCEANOGRAPHY	135	34	46	9	46
ENVIRONMENTAL SCIENCES, NEC.	255	19	94	8	134
MATHEMATICAL SCIENCES	2,249	133	979	27	1,110
COMPUTER SCIENCE	940	91	265	6	578
MATHEMATICS AND APPLIED MATHEMATICS	1,224	35	669	15	505
STATISTICS	85	7	45	6	27
LIFE SCIENCES	13,597	3,387	3,352	593	6,265
AGRICULTURAL SCIENCES	2,163	305	586	156	1,056
BIOLOGICAL SCIENCES	4,356	433	1,772	192	1,959
ANATOMY	0	0	0	0	0
BIOCHEMISTRY	41	8	26	1	6
BIOLOGY	2,981	224	1,286	96	1,375
BIOMETRY/EPIDEMIOLOGY	4	1	0	0	3
BIOPHYSICS	3	0	1	0	2
BOTANY	125	21	45	17	42
CELL BIOLOGY	0	0	0	0	0
ECOLOGY	11	1	8	2	0
ENTOMOLOGY/PARASITOLOGY	55	11	15	1	28
GENETICS	13	0	11	0	2
MICROBIOLOGY	215	16	124	7	68
NUTRITION	473	52	152	38	231
PATHOLOGY	28	0	4	1	23
PHARMACOLOGY	45	12	12	8	13
PHYSIOLOGY	9	0	6	2	1
ZOOLOGY	107	11	38	10	48
BIOSCIENCES, NEC.	246	76	44	9	117
HEALTH SCIENCES	7,138	2,649	994	245	3,250
ANESTHESIOLOGY	2	0	1	1	0
CARDIOLOGY	0	0	0	0	0
CLINICAL PHARMACOLOGY	0	0	0	0	0
DENTISTRY	667	100	300	43	224
ENDOCRINOLOGY	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0
NEUROLOGY	0	0	0	0	0
NURSING	2,522	1,769	107	30	616
OBSTETRICS/GYNECOLOGY	0	0	0	0	0
OPHTHALMOLOGY	1	0	0	1	0
OTORHINOLARYNGOLOGY	0	0	0	0	0
PEDIATRICS	24	6	2	1	15
PHARMACEUTICAL SCIENCES	176	42	74	10	50
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	364	119	74	26	145
PSYCHIATRY	2	0	1	0	1
PULMONARY DISEASE	0	0	0	0	0
RADIOLOGY	31	1	11	3	16
SPEECH PATHOLOGY/AUDIOLOGY	1,899	336	296	41	1,226
SURGERY	2	0	2	0	0
VETERINARY SCIENCES	74	7	32	11	24
CLINICAL MEDICINE, NEC.	284	60	19	17	188
HEALTH RELATED, NEC.	1,090	209	75	61	745
PSYCHOLOGY	4,550	349	1,265	83	2,853
SOCIAL SCIENCES	13,913	1,953	3,321	503	8,136
AGRICULTURAL ECONOMICS	266	88	92	28	58
ANTHROPOLOGY	700	63	175	5	457
ECONOMICS (EXCEPT AGRICULTURAL)	843	44	281	44	474
GEOGRAPHY	652	39	368	28	217
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0
LINGUISTICS	578	40	298	6	234
POLITICAL SCIENCE	3,586	520	670	141	2,255
SOCIOLOGY	2,587	217	830	72	1,468
SOCIOLOGY/ANTHROPOLOGY	168	11	74	5	78
SOCIAL SCIENCES, NEC.	4,533	931	533	174	2,895

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-9. FULL-TIME GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS AT PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1977

FIELD OF SCIENCE	TOTAL	FEDERAL SUPPORT	INSTITUTIONAL SUPPORT	OTHER OUTSIDE SUPPORT	SELF-SUPPORT
TOTAL, ALL FIELDS	12,251	2,011	2,262	947	7,031
ENGINEERING	1,208	340	205	213	450
AERONAUTICAL	15	4	2	0	9
AGRICULTURAL	0	0	0	0	0
BIOMEDICAL	6	0	5	0	1
CHEMICAL	25	0	7	12	6
CIVIL	131	34	43	17	37
ELECTRICAL	198	20	39	27	112
ENGINEERING SCIENCE	41	12	5	13	11
INDUSTRIAL	551	248	51	94	158
MECHANICAL	91	9	21	8	53
METALLURGICAL/MATERIALS	0	0	0	0	0
MINING	0	0	0	0	0
NUCLEAR	5	2	2	0	1
PETROLEUM	0	0	0	0	0
ENGINEERING, NEC.	145	11	30	42	62
PHYSICAL SCIENCES	287	11	174	20	82
ASTRONOMY	1	1	0	0	0
CHEMISTRY	206	7	116	12	71
PHYSICS	75	3	55	7	10
PHYSICAL SCIENCES, NEC.	5	0	3	1	1
ENVIRONMENTAL SCIENCES	147	18	51	15	63
ATMOSPHERIC SCIENCES	0	0	0	0	0
GEOSCIENCES	72	14	32	8	18
OCEANOGRAPHY	19	2	6	2	9
ENVIRONMENTAL SCIENCES, NEC.	56	2	13	5	36
MATHEMATICAL SCIENCES	602	23	184	60	335
COMPUTER SCIENCE	328	18	52	41	217
MATHEMATICS AND APPLIED MATHEMATICS	264	4	124	19	117
STATISTICS	10	1	8	0	1
LIFE SCIENCES	3,247	743	661	189	1,654
AGRICULTURAL SCIENCES	81	15	12	2	52
BIOLOGICAL SCIENCES	987	45	417	58	467
ANATOMY	0	0	0	0	0
BIOCHEMISTRY	14	0	6	0	8
BIOLOGY	626	24	350	24	228
BIOMETRY/EPIDEMIOLOGY	37	10	2	4	21
BIOPHYSICS	0	0	0	0	0
BOTANY	26	2	12	5	7
CELL BIOLOGY	0	0	0	0	0
ECOLOGY	0	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	0	0	0	0	0
GENETICS	38	0	0	19	19
MICROBIOLOGY	73	1	2	0	70
NUTRITION	75	1	20	6	48
PATHOLOGY	10	0	5	0	5
PHARMACOLOGY	23	0	1	0	22
PHYSIOLOGY	15	0	3	0	12
ZOOLOGY	6	0	6	0	0
BIOSCIENCES, NEC.	44	7	10	0	27
HEALTH SCIENCES	2,179	683	232	129	1,135
ANESTHESIOLOGY	1	0	1	0	0
CARDIOLOGY	0	0	0	0	0
CLINICAL PHARMACOLOGY	11	0	3	5	3
DENTISTRY	235	10	19	23	183
ENDOCRINOLOGY	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0
HEMATOLOGY	2	0	0	0	2
NEUROLOGY	0	0	0	0	0
NURSING	684	437	33	21	193
OBSTETRICS/GYNECOLOGY	2	0	2	0	0
OPHTHALMOLOGY	3	0	1	0	2
OTORHINOLARYNGOLOGY	3	1	2	0	0
PEDIATRICS	5	0	5	0	0
PHARMACEUTICAL SCIENCES	42	0	10	0	32
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	170	66	7	21	76
PSYCHIATRY	8	0	8	0	0
PULMONARY DISEASE	0	0	0	0	0
RADIOLOGY	2	0	1	0	1
SPEECH PATHOLOGY/AUDIOLOGY	307	64	52	16	175
SURGERY	12	0	12	0	0
VETERINARY SCIENCES	16	3	3	1	9
CLINICAL MEDICINE, NEC.	211	28	46	17	120
HEALTH RELATED, NEC.	465	74	27	25	339
PSYCHOLOGY	1,773	151	348	124	1,150
SOCIAL SCIENCES	4,987	725	639	326	3,297
AGRICULTURAL ECONOMICS	2	0	1	0	1
ANTHROPOLOGY	100	5	18	1	76
ECONOMICS (EXCEPT AGRICULTURAL)	356	10	144	108	94
GEOGRAPHY	23	2	11	4	6
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0
LINGUISTICS	126	1	47	2	76
POLITICAL SCIENCE	1,609	171	222	123	1,093
SOCIOLOGY	384	11	90	43	240
SOCIOLOGY/ANTHROPOLOGY	61	12	21	0	28
SOCIAL SCIENCES, NEC.	2,326	513	85	45	1,683

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-10. FULL-TIME GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS, BY FIELD OF SCIENCE, INSTITUTIONAL CONTROL, AND CITIZENSHIP: 1977

FIELD OF SCIENCE	ALL INSTITUTIONS			PUBLIC			PRIVATE		
	TOTAL	U.S. CITIZENS	FOREIGN STUDENTS	TOTAL	U.S. CITIZENS	FOREIGN STUDENTS	TOTAL	U.S. CITIZENS	FOREIGN STUDENTS
TOTAL, ALL FIELDS	52,590	47,494	5,096	40,339	36,645	3,694	12,251	10,849	1,402
ENGINEERING	4,461	3,117	1,344	3,253	2,323	930	1,208	754	414
AERONAUTICAL	33	22	11	18	11	7	15	11	4
AGRICULTURAL	127	88	39	127	88	39	0	0	0
BIOMEDICAL	35	26	9	29	20	9	6	6	0
CHEMICAL	179	105	74	154	96	58	25	9	16
CIVIL	646	459	187	515	363	152	131	96	35
ELECTRICAL	543	343	200	345	244	101	198	99	99
ENGINEERING SCIENCE	239	165	74	198	137	61	41	28	13
INDUSTRIAL	934	674	260	383	274	109	551	400	151
MECHANICAL	313	209	104	222	146	76	91	63	28
METALLURGICAL/MATERIALS	55	35	20	55	35	20	0	0	0
MINING	154	100	54	154	100	54	0	0	0
NUCLEAR	59	35	24	54	34	20	5	1	4
PETROLEUM	39	20	19	39	20	19	0	0	0
ENGINEERING, NEC.	1,105	836	269	960	755	205	145	81	64
PHYSICAL SCIENCES	1,587	1,277	310	1,300	1,038	262	287	239	48
ASTRONOMY	16	15	1	15	15	0	1	0	1
CHEMISTRY	976	774	202	770	591	179	206	183	23
PHYSICS	548	445	103	473	394	79	75	51	24
PHYSICAL SCIENCES, NEC.	47	43	4	42	38	4	5	5	0
ENVIRONMENTAL SCIENCES	1,624	1,495	129	1,477	1,370	107	147	125	22
ATMOSPHERIC SCIENCES	37	26	11	37	26	11	0	0	0
GEOSCIENCES	1,122	1,052	70	1,050	984	66	72	68	4
OCEANOGRAPHY	154	137	17	135	121	14	19	16	3
ENVIRONMENTAL SCIENCES, NEC.	311	280	31	255	239	16	56	41	15
MATHEMATICAL SCIENCES	2,851	2,269	582	2,249	1,830	419	602	439	163
COMPUTER SCIENCE	1,268	933	335	940	698	242	328	235	93
MATHEMATICS AND APPLIED MATHEMATICS	1,488	1,259	229	1,224	1,065	159	264	194	70
STATISTICS	95	77	18	85	67	18	10	10	0
LIFE SCIENCES	16,844	15,750	1,094	13,597	12,744	853	3,247	3,006	241
AGRICULTURAL SCIENCES	2,184	1,911	273	2,103	1,854	249	81	57	24
BIOLOGICAL SCIENCES	5,343	4,934	409	4,356	4,037	319	987	897	90
ANATOMY	0	0	0	0	0	0	0	0	0
BIOCHEMISTRY	55	41	14	41	36	5	14	5	9
BIOLOGY	3,607	3,395	212	2,981	2,816	165	626	579	47
BIOMETRY/EPIDEMIOLOGY	41	41	0	4	4	0	37	37	0
BIOPHYSICS	3	3	0	3	3	0	0	0	0
BOTANY	151	115	36	125	109	16	26	6	20
CELL BIOLOGY	0	0	0	0	0	0	0	0	0
ECOLOGY	11	11	0	11	11	0	0	0	0
ENTOMOLOGY/PARASITOLOGY	55	55	0	55	55	0	0	0	0
GENETICS	51	49	2	13	13	0	38	36	2
MICROBIOLOGY	288	264	24	215	198	17	73	66	7
NUTRITION	548	451	97	473	380	93	75	71	4
PATHOLOGY	38	32	6	28	22	6	10	10	0
PHARMACOLOGY	68	63	5	45	40	5	23	23	0
PHYSIOLOGY	24	23	1	9	9	0	15	14	1
ZOOLOGY	113	108	5	107	102	5	6	6	0
BIOSCIENCES, NEC.	290	283	7	246	239	7	44	44	0
HEALTH SCIENCES	9,317	8,905	412	7,138	6,853	285	2,179	2,052	127
ANESTHESIOLOGY	3	3	0	2	2	0	1	1	0
CARDIOLOGY	0	0	0	0	0	0	0	0	0
CLINICAL PHARMACOLOGY	11	7	4	0	0	0	11	7	4
DENTISTRY	902	742	160	667	560	107	235	182	53
ENDOCRINOLOGY	0	0	0	0	0	0	0	0	0
GASTROENTEROLOGY	0	0	0	0	0	0	0	0	0
HEMATOLOGY	2	0	2	0	0	0	2	0	2
NEUROLOGY	0	0	0	0	0	0	0	0	0
NURSING	3,206	3,159	47	2,522	2,487	35	684	672	12
OBSTETRICS/GYNECOLOGY	2	2	0	0	0	0	2	2	0
OPHTHALMOLOGY	4	2	2	1	1	0	3	1	2
OTORHINOLARYNGOLOGY	3	3	0	0	0	0	3	3	0
PEDIATRICS	29	29	0	24	24	0	5	5	0
PHARMACEUTICAL SCIENCES	218	167	51	176	127	49	42	40	2
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	534	482	52	364	347	17	170	135	35
PSYCHIATRY	10	9	1	2	1	1	8	8	0
PULMONARY DISEASE	0	0	0	0	0	0	0	0	0
RADIOLOGY	33	31	2	31	29	2	2	2	0
SPEECH PATHOLOGY/AUDIOLOGY	2,206	2,189	17	1,899	1,885	14	307	304	3
SURGERY	14	14	0	2	2	0	12	12	0
VETERINARY SCIENCES	90	79	11	74	66	8	16	13	3
CLINICAL MEDICINE, NEC.	495	483	12	284	274	10	211	209	2
HEALTH RELATED, NEC.	1,555	1,504	51	1,090	1,048	42	465	456	9
PSYCHOLOGY	6,323	6,161	162	4,550	4,441	109	1,773	1,720	53
SOCIAL SCIENCES	18,900	17,425	1,475	13,913	12,899	1,014	4,987	4,526	461
AGRICULTURAL ECONOMICS	268	189	79	266	187	79	2	2	0
ANTHROPOLOGY	800	782	18	700	687	13	100	95	5
ECONOMICS (EXCEPT AGRICULTURAL)	1,199	803	396	843	594	249	356	209	147
GEOGRAPHY	675	629	46	652	609	43	23	20	3
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	0	0	0	0	0	0
LINGUISTICS	704	633	71	578	534	44	126	99	27
POLITICAL SCIENCE	5,195	4,670	525	3,586	3,290	296	1,609	1,380	229
SOCIOLOGY	2,971	2,735	236	2,587	2,375	212	384	360	24
SOCIOLOGY/ANTHROPOLOGY	229	219	10	168	166	2	61	53	8
SOCIAL SCIENCES, NEC.	6,859	6,765	94	4,533	4,457	76	2,326	2,308	18

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-11. FULL-TIME GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			FEDERAL SUPPORT			INSTITUTIONAL SUPPORT			OTHER OUTSIDE SUPPORT			SELF-SUPPORT		
	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE
TOTAL, ALL FIELDS	49,282	52,590	6.7	7,889	8,623	9.3	12,508	13,649	9.1	2,241	2,525	12.7	26,644	27,793	4.3
ENGINEERING	4,571	4,461	-2.4	944	860	-8.9	956	1,181	23.5	538	428	-20.4	2,133	1,992	-6.6
AERONAUTICAL	33	33	.0	14	12	-14.3	3	7	133.3	5	2	-60.0	11	12	9.1
AGRICULTURAL	128	127	-.8	32	31	-3.1	53	44	-17.0	20	27	35.0	23	25	8.7
BIOMEDICAL	3	35	1066.7	0	8	**	1	11	1000.0	0	1	**	2	15	650.0
CHEMICAL	176	179	1.7	26	29	11.5	60	72	20.0	16	33	106.3	74	45	-39.2
CIVIL	654	646	-1.2	135	104	-23.0	155	230	48.4	89	48	-46.1	275	264	-4.0
ELECTRICAL	497	543	9.3	71	65	-8.5	138	161	16.7	33	37	12.1	255	280	9.8
ENGINEERING SCIENCE	199	239	20.1	139	147	5.8	28	29	3.6	12	28	133.3	20	35	75.0
INDUSTRIAL	1,054	934	-11.4	328	281	-14.3	158	160	1.3	218	102	-53.2	350	391	11.7
MECHANICAL	290	313	7.9	50	31	-38.0	94	113	20.2	15	20	33.3	131	149	13.7
METALLURGICAL/MATERIALS	56	55	-1.8	19	23	21.1	6	15	150.0	19	8	-57.9	12	9	-25.0
MINING	112	154	37.5	20	47	135.0	16	16	.0	29	28	-3.4	47	63	34.0
NUCLEAR	55	59	7.3	9	8	-11.1	16	42	162.5	12	0	-100.0	18	9	-50.0
PETROLEUM	36	39	8.3	9	10	11.1	9	6	-33.3	13	17	30.8	5	6	20.0
ENGINEERING, NEC.	1,278	1,105	-13.5	92	64	-30.4	219	275	25.6	57	77	35.1	910	689	-24.3
PHYSICAL SCIENCES	1,503	1,587	5.6	65	93	43.1	989	1,006	1.7	57	81	42.1	392	407	3.8
ASTRONOMY	25	16	-36.0	4	3	-25.0	10	8	-20.0	0	0	**	11	5	-54.5
CHEMISTRY	828	976	17.9	36	58	61.1	554	593	7.0	30	64	113.3	208	261	25.5
PHYSICS	623	548	-12.0	25	31	24.0	420	391	-6.9	26	16	-38.5	152	110	-27.6
PHYSICAL SCIENCES, NEC.	27	47	74.1	0	1	**	5	14	180.0	1	1	.0	21	31	47.6
ENVIRONMENTAL SCIENCES	1,436	1,624	13.1	159	206	29.6	698	713	2.1	90	111	23.3	489	594	21.5
ATMOSPHERIC SCIENCES ...	13	37	184.6	10	19	90.0	1	7	600.0	0	1	**	2	10	400.0
GEOSCIENCES	1,060	1,122	5.8	108	130	20.4	564	547	-3.0	62	86	38.7	326	359	10.1
OCEANOGRAPHY	135	154	14.1	19	36	89.5	36	52	44.4	18	11	-38.9	62	55	-11.3
ENVIRONMENTAL SCIENCES, NEC.	228	311	36.4	22	21	-4.5	97	107	10.3	10	13	30.0	99	170	71.7
MATHEMATICAL SCIENCES	3,155	2,851	-9.6	231	156	-32.5	1,247	1,163	-6.7	85	87	2.4	1,592	1,445	-9.2
COMPUTER SCIENCE	1,368	1,268	-7.3	184	109	-40.8	332	317	-4.5	54	47	-13.0	798	795	-.4
MATHEMATICS AND APPLIED MATHEMATICS ..	1,689	1,488	-11.9	43	39	-9.3	863	793	-8.1	23	34	47.8	760	622	-18.2
STATISTICS	98	95	-3.1	4	8	100.0	52	53	1.9	8	6	-25.0	34	28	-17.6
LIFE SCIENCES	15,242	16,844	10.5	3,595	4,130	14.9	3,794	4,013	5.8	667	782	17.2	7,186	7,919	10.2
AGRICULTURAL SCIENCES	2,259	2,184	-3.3	336	320	-4.8	591	598	1.2	154	158	2.6	1,178	1,108	-5.9
BIOLOGICAL SCIENCES	5,135	5,343	4.1	406	478	17.7	2,176	2,189	.6	175	250	42.9	2,378	2,426	2.0
ANATOMY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
BIOCHEMISTRY	65	55	-15.4	2	8	300.0	39	32	-17.9	0	1	**	24	14	-41.7
BIOLOGY	3,645	3,607	-1.0	214	248	15.9	1,623	1,636	.8	78	120	53.8	1,730	1,603	-7.3
BIOMETRY/EPIDEMIOLOGY ..	31	41	32.3	12	11	-8.3	4	2	-50.0	0	4	**	15	24	60.0
BIOPHYSICS	1	3	200.0	0	0	**	1	1	.0	0	0	**	0	2	**
BOTANY	130	151	16.2	10	23	130.0	63	57	-9.5	12	22	83.3	45	49	8.9
CELL BIOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
ECOLOGY	10	11	10.0	1	1	.0	7	8	14.3	2	2	.0	0	0	**
ENTOMOLOGY/PARASITOLOGY	55	55	.0	12	11	-8.3	17	15	-11.8	2	1	-50.0	24	28	16.7
GENETICS	47	51	8.5	13	0	-100.0	0	11	**	15	19	26.7	19	21	10.5
MICROBIOLOGY	233	288	23.6	20	17	-15.0	117	126	7.7	2	7	250.0	94	138	46.8
NUTRITION	410	548	33.7	34	53	55.9	160	172	7.5	39	44	12.8	177	279	57.6
PATHOLOGY	32	38	18.8	5	0	-100.0	8	9	12.5	1	1	.0	18	28	55.6
PHARMACOLOGY	37	68	83.8	1	12	1100.0	9	13	44.4	0	8	**	27	35	29.6
PHYSIOLOGY	10	24	140.0	0	0	**	7	9	28.6	0	2	**	3	13	333.3
ZOOLOGY	136	113	-16.9	8	11	37.5	62	44	-29.0	8	10	25.0	58	48	-17.2
BIOSCIENCES, NEC.	293	290	-1.0	74	83	12.2	59	54	-8.5	16	9	-43.8	144	144	.0
HEALTH SCIENCES	7,848	9,317	18.7	2,853	3,332	16.8	1,027	1,226	19.4	338	374	10.7	3,630	4,385	20.8
ANESTHESIOLOGY	3	3	.0	0	0	**	3	2	-33.3	0	1	**	0	0	**
CARDIOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
CLINICAL PHARMACOLOGY ..	0	11	**	0	0	**	0	3	**	0	5	**	0	3	**
DENTISTRY	701	902	28.7	102	110	7.8	270	319	18.1	63	66	4.8	266	407	53.0
ENDOCRINOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
GASTROENTEROLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
HEMATOLOGY	0	2	**	0	0	**	0	0	**	0	0	**	0	2	**
NEUROLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
NURSING	2,484	3,206	29.1	1,873	2,206	17.8	112	140	25.0	29	51	75.9	470	809	72.1
OBSTETRICS/GYNECOLOGY ..	3	2	-33.3	0	0	**	3	2	-33.3	0	0	**	0	0	**
OPHTHALMOLOGY	7	4	-42.9	1	0	-100.0	4	1	-75.0	0	1	**	2	2	.0
OTORHINOLARYNGOLOGY	18	3	-83.3	14	1	-92.9	3	2	-33.3	1	0	-100.0	0	0	**
PEDIATRICS	62	29	-53.2	23	6	-73.9	11	7	-36.4	3	1	-66.7	25	15	-40.0
PHARMACEUTICAL SCIENCES	164	218	32.9	13	42	223.1	68	84	23.5	19	10	-47.4	64	82	28.1
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	553	534	-3.4	160	185	15.6	84	81	-3.6	43	47	9.3	266	221	-16.9
PSYCHIATRY	20	10	-50.0	1	0	-100.0	10	9	-10.0	0	0	**	9	1	-88.9
PULMONARY DISEASE	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
RADIOLOGY	32	33	3.1	2	1	-50.0	15	12	-20.0	0	3	**	15	17	13.3
SPEECH PATH/AUDIOLOGY ..	2,009	2,206	9.8	370	400	8.1	315	348	10.5	38	57	50.0	1,286	1,401	8.9
SURGERY	18	14	-22.2	6	0	-100.0	8	14	75.0	3	0	-100.0	1	0	-100.0
VETERINARY SCIENCES	76	90	18.4	8	10	25.0	30	35	16.7	4	12	200.0	34	33	-2.9
CLINICAL MEDICINE, NEC.	313	495	58.1	43	88	104.7	18	65	261.1	7	34	385.7	245	308	25.7
HEALTH RELATED, NEC. ...	1,385	1,555	12.3	237	283	19.4	73	102	39.7	128	86	-32.8	947	1,084	14.5
PSYCHOLOGY	5,808	6,323	8.9	374	500	33.7	1,299	1,613	24.2	105	207	97.1	4,030	4,003	-.7
SOCIAL SCIENCES	17,567	18,900	7.6	2,521	2,678	6.2	3,525	3,960	12.3	699	829	18.6	10,822	11,433	5.6
AGRICULTURAL ECONOMICS .	269	268	-.4	98	88	-10.2	76	93	22.4	22	28	27.3	73	59	-19.2
ANTHROPOLOGY	720	800	11.1	44	68	54.5	187	193	3.2	21	6	-71.4	468	533	13.9
ECONOMICS (EXCEPT AGRICULTURAL)	1,120	1,199	7.1	56	54	-3.6	340	425	25.0	111	152	36.9	613	568	-7.3
GEOGRAPHY	715	675	-5.6	38	41	7.9	337	379	12.5	49	32	-34.7	291	223	-23.4
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
LINGUISTICS	972	704	-27.6	50	41	-18.0	342	345	.9	13	8	-38.5	567	310	-45.3
POLITICAL SCIENCE	4,883	5,195	6.4	669	691	3.3	809	892	10.3	248	264	6.5	3,157	3,348	6.1
SOCIOLOGY	3,094	2,971	-4.0	309	228	-26.2	880	920	4.5	127	115	-9.4	1,778	1,708	-3.9
SOCIOLOGY/ANTHROPOLOGY .	168	229	36.3	22	23	4.5	77	95	23.4	7	5	-28.6	62	106	71.0
SOCIAL SCIENCES, NEC. ..	5,626	6,859	21.9	1,235	1,444	16.9	477	618	29.6	101	219	116.8	3,813	4,578	20.1

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-12. FULL-TIME GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS AT PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			FEDERAL SUPPORT			INSTITUTIONAL SUPPORT			OTHER OUTSIDE SUPPORT			SELF-SUPPORT		
	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE
TOTAL, ALL FIELDS	38,165	40,339	5.7	5,996	6,612	10.3	10,326	11,387	10.3	1,503	1,578	5.0	20,340	20,762	2.1
ENGINEERING	3,393	3,253	-4.1	543	520	-4.2	789	976	23.7	301	215	-28.6	1,760	1,542	-12.4
AERONAUTICAL	25	18	-28.0	13	8	-38.5	2	5	150.0	2	2	.0	8	3	-62.5
AGRICULTURAL	128	127	-.8	32	31	-3.1	53	44	-17.0	20	27	35.0	23	25	8.7
BIOMEDICAL	0	29	**	0	8	**	0	6	**	0	1	**	0	14	**
CHEMICAL	148	154	4.1	26	29	11.5	54	65	20.4	11	21	90.9	57	39	-31.6
CIVIL	490	515	5.1	108	70	-35.2	118	187	58.5	69	31	-55.1	195	227	16.4
ELECTRICAL	376	345	-8.2	48	45	-6.3	116	122	5.2	15	10	-33.3	197	168	-14.7
ENGINEERING SCIENCE	170	198	16.5	127	135	6.3	24	24	.0	4	15	275.0	15	24	60.0
INDUSTRIAL	398	383	-3.8	15	33	120.0	106	109	2.8	55	8	-85.5	222	233	5.0
MECHANICAL	214	222	3.7	34	22	-35.3	71	92	29.6	15	12	-20.0	94	96	2.1
METALLURGICAL/MATERIALS	56	55	-1.8	19	23	21.1	6	15	150.0	19	8	-57.9	12	9	-25.0
MINING	112	154	37.5	20	47	135.0	16	16	.0	29	28	-3.4	47	63	34.0
NUCLEAR	55	54	-1.8	9	6	-33.3	16	40	150.0	12	0	-100.0	18	8	-55.6
PETROLEUM	36	39	8.3	9	10	11.1	9	6	-33.3	13	17	30.8	5	6	20.0
ENGINEERING, NEC.	1,185	960	-19.0	83	53	-36.1	198	245	23.7	37	35	-5.4	867	627	-27.7
PHYSICAL SCIENCES	1,229	1,300	5.8	53	82	54.7	802	832	3.7	49	61	24.5	325	325	.0
ASTRONOMY	21	15	-28.6	2	2	.0	10	8	-20.0	0	0	**	9	5	-44.4
CHEMISTRY	663	770	16.1	30	51	70.0	430	477	10.9	25	52	108.0	178	190	6.7
PHYSICS	518	473	-8.7	21	28	33.3	357	336	-5.9	23	9	-60.9	117	100	-14.5
PHYSICAL SCIENCES, NEC.	27	42	55.6	0	1	**	5	11	120.0	1	0	-100.0	21	30	42.9
ENVIRONMENTAL SCIENCES	1,311	1,477	12.7	144	188	30.6	632	662	4.7	84	96	14.3	451	531	17.7
ATMOSPHERIC SCIENCES	13	37	184.6	10	19	90.0	1	7	600.0	0	1	**	2	10	400.0
GEOSCIENCES	987	1,050	6.4	100	116	16.0	518	515	-.6	61	78	27.9	308	341	10.7
OCEANOGRAPHY	112	135	20.5	15	34	126.7	28	46	64.3	14	9	-35.7	55	46	-16.4
ENVIRONMENTAL SCIENCES, NEC.	199	255	28.1	19	19	.0	85	94	10.6	9	8	-11.1	86	134	55.8
MATHEMATICAL SCIENCES	2,493	2,249	-9.8	207	133	-35.7	1,013	979	-3.4	40	27	-32.5	1,233	1,110	-10.0
COMPUTER SCIENCE	988	940	-4.9	163	91	-44.2	246	265	7.7	15	6	-60.0	564	578	2.5
MATHEMATICS AND APPLIED MATHEMATICS	1,421	1,224	-13.9	40	35	-12.5	726	669	-7.9	19	15	-21.1	636	505	-20.6
STATISTICS	84	85	1.2	4	7	75.0	41	45	9.8	6	6	.0	33	27	-18.2
LIFE SCIENCES	12,456	13,597	9.2	2,896	3,387	17.0	3,187	3,352	5.2	533	593	11.3	5,840	6,265	7.3
AGRICULTURAL SCIENCES	2,183	2,103	-3.7	311	305	-1.9	578	586	1.4	152	156	2.6	1,142	1,056	-7.5
BIOLOGICAL SCIENCES	4,196	4,356	3.8	359	433	20.6	1,787	1,772	-.8	141	192	36.2	1,909	1,959	2.6
ANATOMY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
BIOCHEMISTRY	43	41	-4.7	2	8	300.0	34	26	-23.5	0	1	**	7	6	-14.3
BIOLOGY	2,963	2,981	.6	183	224	22.4	1,291	1,286	-.4	68	96	41.2	1,421	1,375	-3.2
BIOMETRY/EPIDEMIOLOGY	0	4	**	0	1	**	0	0	**	0	0	**	0	3	**
BIOPHYSICS	1	3	200.0	0	0	**	1	1	.0	0	0	**	0	2	**
BOTANY	108	125	15.7	10	21	110.0	58	45	-22.4	4	17	325.0	36	42	16.7
CELL BIOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
ECOLOGY	10	11	10.0	1	1	.0	7	8	14.3	2	2	.0	0	0	**
ENTOMOLOGY/PARASITOLOGY	55	55	.0	12	11	-8.3	17	15	-11.8	2	1	-50.0	24	28	16.7
GENETICS	15	13	-13.3	13	0	-100.0	0	11	**	0	0	**	2	2	.0
MICROBIOLOGY	194	215	10.8	18	16	-11.1	115	124	7.8	2	7	250.0	59	68	15.3
NUTRITION	348	473	35.9	33	52	57.6	142	152	7.0	38	38	.0	135	231	71.1
PATHOLOGY	28	28	.0	5	0	-100.0	4	4	.0	1	1	.0	18	23	27.8
PHARMACOLOGY	36	45	25.0	1	12	1100.0	9	12	33.3	0	8	**	26	13	-50.0
PHYSIOLOGY	5	9	80.0	0	0	**	5	6	20.0	0	2	**	0	1	**
ZOOLOGY	130	107	-17.7	8	11	37.5	56	38	-32.1	8	10	25.0	58	48	-17.2
BIOSCIENCES, NEC.	260	246	-5.4	73	76	4.1	48	44	-8.3	16	9	-43.8	123	117	-4.9
HEALTH SCIENCES	6,077	7,138	17.5	2,226	2,649	19.0	822	994	20.9	240	245	2.1	2,789	3,250	16.5
ANESTHESIOLOGY	3	2	-33.3	0	0	**	3	1	-66.7	0	1	**	0	0	**
CARDIOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
CLINICAL PHARMACOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
DENTISTRY	562	667	18.7	97	100	3.1	240	300	25.0	40	43	7.5	185	224	21.1
ENDOCRINOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
GASTROENTEROLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
HEMATOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
NEUROLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
NURSING	1,905	2,522	32.4	1,434	1,769	23.4	102	107	4.9	22	30	36.4	347	616	77.5
OBSTETRICS/GYNECOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
OPHTHALMOLOGY	2	1	-50.0	1	0	-100.0	1	0	-100.0	0	1	**	0	0	**
OTORHINOLARYNGOLOGY	13	0	-100.0	13	0	-100.0	0	0	**	0	0	**	0	0	**
PEDIATRICS	59	24	-59.3	23	6	-73.9	8	2	-75.0	3	1	-66.7	25	15	-40.0
PHARMACEUTICAL SCIENCES	164	176	7.3	13	42	223.1	68	74	8.8	19	10	-47.4	64	50	-21.9
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	347	364	4.9	91	119	30.8	65	74	13.8	26	26	.0	165	145	-12.1
PSYCHIATRY	9	2	-77.8	0	0	**	0	1	**	0	0	**	9	1	-88.9
PULMONARY DISEASE	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
RADIOLOGY	30	31	3.3	2	1	-50.0	13	11	-15.4	0	3	**	15	16	6.7
SPEECH PATH/AUDIOLOGY	1,668	1,899	13.8	298	336	12.8	227	296	30.4	19	41	115.8	1,124	1,226	9.1
SURGERY	1	2	100.0	0	0	**	1	2	100.0	0	0	**	0	0	**
VETERINARY SCIENCES	55	74	34.5	5	7	40.0	28	32	14.3	4	11	175.0	18	24	33.3
CLINICAL MEDICINE, NEC.	211	284	34.6	38	60	57.9	12	19	58.3	7	17	142.9	154	188	22.1
HEALTH RELATED, NEC.	1,048	1,090	4.0	211	209	-.9	54	75	38.9	100	61	-39.0	683	745	9.1
PSYCHOLOGY	4,140	4,550	9.9	272	349	28.3	981	1,265	29.0	49	83	69.4	2,838	2,853	.5
SOCIAL SCIENCES	13,143	13,913	5.9	1,881	1,953	3.8	2,922	3,321	13.7	447	503	12.5	7,893	8,136	3.1
AGRICULTURAL ECONOMICS	261	266	1.9	98	88	-10.2	70	92	31.4	22	28	27.3	71	58	-18.3
ANTHROPOLOGY	653	700	7.2	41	63	53.7	158	175	10.8	20	5	-75.0	434	457	5.3
ECONOMICS (EXCEPT AGRICULTURAL)	875	843	-3.7	51	44	-13.7	283	281	-.7	41	44	7.3	500	474	-5.2
GEOGRAPHY	681	652	-4.3	38	39	2.6	329	368	11.9	46	28	-39.1	268	217	-19.0
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
LINGUISTICS	820	578	-29.5	49	40	-18.4	290	298	2.8	10	6	-40.0	471	234	-50.3
POLITICAL SCIENCE	3,344	3,586	7.2	494	520	5.3	593	670	13.0	152	141	-7.2	2,105	2,255	7.1
SOCIOLOGY	2,652	2,587	-2.5	256	217	-15.2	782	830	6.1	84	72	-14.3	1,530	1,468	-4.1
SOCIOLOGY/ANTHROPOLOGY	121	168	38.8	7	11	57.1	62	74	19.4	6	5	-16.7	46	78	69.6
SOCIAL SCIENCES, NEC.	3,736	4,533	21.3	847	931	9.9	355	533	50.1	66	174	163.6	2,468	2,895	17.3

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-13. FULL-TIME GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS AT PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			FEDERAL SUPPORT			INSTITUTIONAL SUPPORT			OTHER OUTSIDE SUPPORT			SELF-SUPPORT		
	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE	1976	1977	PER-CENT CHANGE
TOTAL, ALL FIELDS	11,117	12,251	10.2	1,893	2,011	6.2	2,182	2,262	3.7	738	947	28.3	6,304	7,031	11.5
ENGINEERING	1,178	1,208	2.5	401	340	-15.2	167	205	22.8	237	213	-10.1	373	450	20.6
AERONAUTICAL	8	15	87.5	1	4	300.0	1	2	100.0	3	0	-100.0	3	9	200.0
AGRICULTURAL	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
BIOMEDICAL	3	6	100.0	0	0	**	1	5	400.0	0	0	**	2	1	-50.0
CHEMICAL	28	25	-10.7	0	0	**	6	7	16.7	5	12	140.0	17	6	-64.7
CIVIL	164	131	-20.1	27	34	25.9	37	43	16.2	20	17	-15.0	80	37	-53.7
ELECTRICAL	121	198	63.6	23	20	-13.0	22	39	77.3	18	27	50.0	58	112	93.1
ENGINEERING SCIENCE	29	41	41.4	12	12	.0	4	5	25.0	8	13	62.5	5	11	120.0
INDUSTRIAL	656	551	-16.0	313	248	-20.8	52	51	-1.9	163	94	-42.3	128	158	23.4
MECHANICAL	76	91	19.7	16	9	-43.8	23	21	-8.7	0	8	**	37	53	43.2
METALLURGICAL/MATERIALS	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
MINING	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
NUCLEAR	0	5	**	0	2	**	0	2	**	0	0	**	0	1	**
PETROLEUM	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
ENGINEERING, NEC.	93	145	55.9	9	11	22.2	21	30	42.9	20	42	110.0	43	62	44.2
PHYSICAL SCIENCES	274	287	4.7	12	11	-8.3	187	174	-7.0	8	20	150.0	67	82	22.4
ASTRONOMY	4	1	-75.0	2	1	-50.0	0	0	**	0	0	**	2	0	-100.0
CHEMISTRY	165	206	24.8	6	7	16.7	124	116	-6.5	5	12	140.0	30	71	136.7
PHYSICS	105	75	-28.6	4	3	-25.0	63	55	-12.7	3	7	133.3	35	10	-71.4
PHYSICAL SCIENCES, NEC.	0	5	**	0	0	**	0	3	**	0	1	**	0	1	**
ENVIRONMENTAL SCIENCES	125	147	17.6	15	18	20.0	66	51	-22.7	6	15	150.0	38	63	65.8
ATMOSPHERIC SCIENCES	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
GEOSCIENCES	73	72	-1.4	8	14	75.0	46	32	-30.4	1	8	700.0	18	18	.0
OCEANOGRAPHY	23	19	-17.4	4	2	-50.0	8	6	-25.0	4	2	-50.0	7	9	28.6
ENVIRONMENTAL SCIENCES. NEC.	29	56	93.1	3	2	-33.3	12	13	8.3	1	5	400.0	13	36	176.9
MATHEMATICAL SCIENCES	662	602	-9.1	24	23	-4.2	234	184	-21.4	45	60	33.3	359	335	-6.7
COMPUTER SCIENCE	380	328	-13.7	21	18	-14.3	86	52	-39.5	39	41	5.1	234	217	-7.3
MATHEMATICS AND APPLIED MATHEMATICS	268	264	-1.5	3	4	33.3	137	124	-9.5	4	19	375.0	124	117	-5.6
STATISTICS	14	10	-28.6	0	1	**	11	8	-27.3	2	0	-100.0	1	1	.0
LIFE SCIENCES	2,786	3,247	16.5	699	743	6.3	607	661	8.9	134	189	41.0	1,346	1,654	22.9
AGRICULTURAL SCIENCES	76	81	6.6	25	15	-40.0	13	12	-7.7	2	2	.0	36	52	44.4
BIOLOGICAL SCIENCES	939	987	5.1	47	45	-4.3	389	417	7.2	34	58	70.6	469	467	-.4
ANATOMY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
BIOCHEMISTRY	22	14	-36.4	0	0	**	5	6	20.0	0	0	**	17	8	-52.9
BIOLOGY	682	626	-8.2	31	24	-22.6	332	350	5.4	10	24	140.0	309	228	-26.2
BIOMETRY/EPIDEMIOLOGY	31	37	19.4	12	10	-16.7	4	2	-50.0	0	4	**	15	21	40.0
BIOPHYSICS	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
BOTANY	22	26	18.2	0	2	**	5	12	140.0	8	5	-37.5	9	7	-22.2
CELL BIOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
ECOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
ENTOMOLOGY/PARASITOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
GENETICS	32	38	18.8	0	0	**	0	0	**	15	19	26.7	17	19	11.8
MICROBIOLOGY	39	73	87.2	2	1	-50.0	2	2	.0	0	0	**	35	70	100.0
NUTRITION	62	75	21.0	1	1	.0	18	20	11.1	1	6	500.0	42	48	14.3
PATHOLOGY	4	10	150.0	0	0	**	4	5	25.0	0	0	**	0	5	**
PHARMACOLOGY	1	23	2200.0	0	0	**	0	1	**	0	0	**	1	22	2100.0
PHYSIOLOGY	5	15	200.0	0	0	**	2	3	50.0	0	0	**	3	12	300.0
ZOOLOGY	6	6	.0	0	0	**	6	6	.0	0	0	**	0	0	**
BIOSCIENCES, NEC.	33	44	33.3	1	7	600.0	11	10	-9.1	0	0	**	21	27	28.6
HEALTH SCIENCES	1,771	2,179	23.0	627	683	8.9	205	232	13.2	98	129	31.6	841	1,135	35.0
ANESTHESIOLOGY	0	1	**	0	0	**	0	1	**	0	0	**	0	0	**
CARDIOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
CLINICAL PHARMACOLOGY	0	11	**	0	0	**	0	3	**	0	5	**	0	3	**
DENTISTRY	139	235	69.1	5	10	100.0	30	19	-36.7	23	23	.0	81	183	125.9
ENDOCRINOLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
GASTROENTEROLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
HEMATOLOGY	0	2	**	0	0	**	0	0	**	0	0	**	0	2	**
NEUROLOGY	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
NURSING	579	684	18.1	439	437	-.5	10	33	230.0	7	21	200.0	123	193	56.9
OBSTETRICS/GYNECOLOGY	3	2	-33.3	0	0	**	3	2	-33.3	0	0	**	0	0	**
OPHTHALMOLOGY	5	3	-40.0	0	0	**	3	1	-66.7	0	0	**	2	2	.0
OTORHINOLARYNGOLOGY	5	3	-40.0	1	1	.0	3	2	-33.3	1	0	-100.0	0	0	**
PEDIATRICS	3	5	66.7	0	0	**	3	5	66.7	0	0	**	0	0	**
PHARMACEUTICAL SCIENCES	0	42	**	0	0	**	0	10	**	0	0	**	0	32	**
PREVENTIVE MEDICINE/COMMUNITY HEALTH	206	170	-17.5	69	66	-4.3	19	7	-63.2	17	21	23.5	101	76	-24.8
PSYCHIATRY	11	8	-27.3	1	0	-100.0	10	8	-20.0	0	0	**	0	0	**
PULMONARY DISEASE	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
RADIOLOGY	2	2	.0	0	0	**	2	1	-50.0	0	0	**	0	1	**
SPEECH PATH/AUDIOLOGY	341	307	-10.0	72	64	-11.1	88	52	-40.9	19	16	-15.8	162	175	8.0
SURGERY	17	12	-29.4	6	0	-100.0	7	12	71.4	3	0	-100.0	1	0	-100.0
VETERINARY SCIENCES	21	16	-23.8	3	3	.0	2	3	50.0	0	1	**	16	9	-43.8
CLINICAL MEDICINE, NEC.	102	211	106.9	5	28	460.0	6	46	666.7	0	17	**	91	120	31.9
HEALTH RELATED, NEC.	337	465	38.0	26	74	184.6	19	27	42.1	28	25	-10.7	264	339	28.4
PSYCHOLOGY	1,668	1,773	6.3	102	151	48.0	318	348	9.4	56	124	121.4	1,192	1,150	-3.5
SOCIAL SCIENCES	4,424	4,987	12.7	640	725	13.3	603	639	6.0	252	326	29.4	2,929	3,297	12.6
AGRICULTURAL ECONOMICS	8	2	-75.0	0	0	**	6	1	-83.3	0	0	**	2	1	-50.0
ANTHROPOLOGY	67	100	49.3	3	5	66.7	29	18	-37.9	1	1	.0	34	76	123.5
ECONOMICS (EXCEPT AGRICULTURAL)	245	356	45.3	5	10	100.0	57	144	152.6	70	108	54.3	113	94	-16.8
GEOGRAPHY	34	23	-32.4	0	2	**	8	11	37.5	3	4	33.3	23	6	-73.9
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	**	0	0	**	0	0	**	0	0	**	0	0	**
LINGUISTICS	152	126	-17.1	1	1	.0	52	47	-9.6	3	2	-33.3	96	76	-20.8
POLITICAL SCIENCE	1,539	1,609	4.5	175	171	-2.3	216	222	2.8	96	123	28.1	1,052	1,093	3.9
SOCIOLOGY	442	384	-13.1	53	11	-79.2	98	90	-8.2	43	43	.0	248	240	-3.2
SOCIOLOGY/ANTHROPOLOGY	47	61	29.8	15	12	-20.0	15	21	40.0	1	0	-100.0	16	28	75.0
SOCIAL SCIENCES, NEC.	1,890	2,326	23.1	388	513	32.2	122	85	-30.3	35	45	28.6	1,345	1,683	25.1

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-14. FULL-TIME GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS, BY FIELD OF SCIENCE AND SEX: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			MEN			WOMEN		
	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE
TOTAL, ALL FIELDS	49,282	52,590	6.7	30,409	30,531	0.4	18,873	22,059	16.9
ENGINEERING	4,571	4,461	-2.4	4,206	4,098	-2.6	365	363	-.5
AERONAUTICAL	33	33	.0	33	33	.0	0	0	**
AGRICULTURAL	128	127	-.8	124	122	-1.6	4	5	25.0
BIOMEDICAL	3	35	1066.7	3	33	1000.0	0	2	**
CHEMICAL	176	179	1.7	146	155	6.2	30	24	-20.0
CIVIL	654	646	-1.2	599	591	-1.3	55	55	.0
ELECTRICAL	497	543	9.3	475	524	10.3	22	19	-13.6
ENGINEERING SCIENCE	199	239	20.1	188	225	19.7	11	14	27.3
INDUSTRIAL	1,054	934	-11.4	985	826	-16.1	69	108	56.5
MECHANICAL	290	313	7.9	278	305	9.7	12	8	-33.3
METALLURGICAL/MATERIALS	56	55	-1.8	52	51	-1.9	4	4	.0
MINING	112	154	37.5	111	144	29.7	1	10	900.0
NUCLEAR	55	59	7.3	53	58	9.4	2	1	-50.0
PETROLEUM	36	39	8.3	36	39	8.3	0	0	**
ENGINEERING, NEC.	1,278	1,105	-13.5	1,123	992	-11.7	155	113	-27.1
PHYSICAL SCIENCES	1,503	1,587	5.6	1,215	1,251	3.0	288	336	16.7
ASTRONOMY	25	16	-36.0	20	12	-40.0	5	4	-20.0
CHEMISTRY	828	976	17.9	629	737	17.2	199	239	20.1
PHYSICS	623	548	-12.0	545	467	-14.3	78	81	3.8
PHYSICAL SCIENCES, NEC.	27	47	74.1	21	35	66.7	6	12	100.0
ENVIRONMENTAL SCIENCES	1,436	1,624	13.1	1,194	1,348	12.9	242	276	14.0
ATMOSPHERIC SCIENCES	13	37	184.6	12	33	175.0	1	4	300.0
GEOSCIENCES	1,060	1,122	5.8	890	955	7.3	170	167	-1.8
OCEANOGRAPHY	135	154	14.1	106	122	15.1	29	32	10.3
ENVIRONMENTAL SCIENCES, NEC.	228	311	36.4	186	238	28.0	42	73	73.8
MATHEMATICAL SCIENCES	3,155	2,851	-9.6	2,273	2,077	-8.6	882	774	-12.2
COMPUTER SCIENCE	1,368	1,268	-7.3	1,120	1,004	-10.4	248	264	6.5
MATHEMATICS AND APPLIED MATHEMATICS	1,689	1,488	-11.9	1,079	1,008	-6.6	610	480	-21.3
STATISTICS	98	95	-3.1	74	65	-12.2	24	30	25.0
LIFE SCIENCES	15,242	16,844	10.5	7,668	7,807	1.8	7,574	9,037	19.3
AGRICULTURAL SCIENCES	2,259	2,184	-3.3	1,817	1,696	-6.7	442	488	10.4
BIOLOGICAL SCIENCES	5,135	5,343	4.1	3,350	3,272	-2.3	1,785	2,071	16.0
ANATOMY	0	0	**	0	0	**	0	0	**
BIOCHEMISTRY	65	55	-15.4	48	45	-6.3	17	10	-41.2
BIOLOGY	3,645	3,607	-1.0	2,562	2,406	-6.1	1,083	1,201	10.9
BIOMETRY/EPIDEMIOLOGY	31	41	32.3	13	18	38.5	18	23	27.8
BIOPHYSICS	1	3	200.0	1	3	200.0	0	0	**
BOTANY	130	151	16.2	70	92	31.4	60	59	-1.7
CELL BIOLOGY	0	0	**	0	0	**	0	0	**
ECOLOGY	10	11	10.0	9	10	11.1	1	1	.0
ENTOMOLOGY/PARASITOLOGY	55	55	.0	44	50	13.6	11	5	-54.5
GENETICS	47	51	8.5	10	6	-40.0	37	45	21.6
MICROBIOLOGY	233	288	23.6	175	223	27.4	58	65	12.1
NUTRITION	410	548	33.7	120	128	6.7	290	420	44.8
PATHOLOGY	32	38	18.8	17	21	23.5	15	17	13.3
PHARMACOLOGY	37	68	83.8	32	54	68.8	5	14	180.0
PHYSIOLOGY	10	24	140.0	7	21	200.0	3	3	.0
ZOOLOGY	136	113	-16.9	96	77	-19.8	40	36	-10.0
BIOSCIENCES, NEC.	293	290	-1.0	146	118	-19.2	147	172	17.0
HEALTH SCIENCES	7,848	9,317	18.7	2,501	2,839	13.5	5,347	6,478	21.2
ANESTHESIOLOGY	3	3	.0	3	2	-33.3	0	1	**
CARDIOLOGY	0	0	**	0	0	**	0	0	**
CLINICAL PHARMACOLOGY	0	11	**	0	8	**	0	3	**
DENTISTRY	701	902	28.7	643	792	23.2	58	110	89.7
ENDOCRINOLOGY	0	0	**	0	0	**	0	0	**
GASTROENTEROLOGY	0	0	**	0	0	**	0	0	**
HEMATOLOGY	0	2	**	0	1	**	0	1	**
NEUROLOGY	0	0	**	0	0	**	0	0	**
NURSING	2,484	3,206	29.1	122	153	25.4	2,362	3,053	29.3
OBSTETRICS/GYNECOLOGY	3	2	-33.3	3	2	-33.3	0	0	**
OPHTHALMOLOGY	7	4	-42.9	7	4	-42.9	0	0	**
OTORHINOLARYNGOLOGY	18	3	-83.3	18	3	-83.3	0	0	**
PEDIATRICS	62	29	-53.2	19	10	-47.4	43	19	-55.8
PHARMACEUTICAL SCIENCES	164	218	32.9	132	163	23.5	32	55	71.9
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	553	534	-3.4	292	291	-.3	261	243	-6.9
PSYCHIATRY	20	10	-50.0	13	9	-30.8	7	1	-85.7
PULMONARY DISEASE	0	0	**	0	0	**	0	0	**
RADIOLOGY	32	33	3.1	28	24	-14.3	4	9	125.0
SPEECH PATHOLOGY/AUDIOLOGY	2,009	2,206	9.8	290	296	2.1	1,719	1,910	11.1
SURGERY	18	14	-22.2	17	13	-23.5	1	1	.0
VETERINARY SCIENCES	76	90	18.4	58	67	15.5	18	23	27.8
CLINICAL MEDICINE, NEC.	313	495	58.1	138	209	51.4	175	286	63.4
HEALTH RELATED, NEC.	1,385	1,555	12.3	718	792	10.3	667	763	14.4
PSYCHOLOGY	5,808	6,323	8.9	3,118	3,160	1.3	2,690	3,163	17.6
SOCIAL SCIENCES	17,567	18,900	7.6	10,735	10,790	.5	6,832	8,110	18.7
AGRICULTURAL ECONOMICS	269	268	-.4	238	226	-5.0	31	42	35.5
ANTHROPOLOGY	720	800	11.1	392	404	3.1	328	396	20.7
ECONOMICS (EXCEPT AGRICULTURAL)	1,120	1,199	7.1	872	925	6.1	248	274	10.5
GEOGRAPHY	715	675	-5.6	544	514	-5.5	171	161	-5.8
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	**	0	0	**	0	0	**
LINGUISTICS	972	704	-27.6	371	263	-29.1	601	441	-26.6
POLITICAL SCIENCE	4,883	5,195	6.4	3,552	3,686	3.8	1,331	1,509	13.4
SOCIOLOGY	3,094	2,971	-4.0	1,921	1,798	-6.4	1,173	1,173	.0
SOCIOLOGY/ANTHROPOLOGY	168	229	36.3	92	114	23.9	76	115	51.3
SOCIAL SCIENCES, NEC.	5,626	6,859	21.9	2,753	2,860	3.9	2,873	3,999	39.2

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-15. FULL-TIME GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS AT PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND SEX: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			MEN			WOMEN		
	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE
TOTAL, ALL FIELDS	38,165	40,339	5.7	23,743	23,407	-1.4	14,422	16,932	17.4
ENGINEERING	3,393	3,253	-4.1	3,128	3,003	-4.0	265	250	-5.7
AERONAUTICAL	25	18	-28.0	25	18	-28.0	0	0	**
AGRICULTURAL	128	127	-.8	124	122	-1.6	4	5	25.0
BIOMEDICAL	0	29	**	0	27	**	0	2	**
CHEMICAL	148	154	4.1	119	132	10.9	29	22	-24.1
CIVIL	490	515	5.1	457	476	4.2	33	39	18.2
ELECTRICAL	376	345	-8.2	360	331	-8.1	16	14	-12.5
ENGINEERING SCIENCE	170	198	16.5	162	190	17.3	8	8	.0
INDUSTRIAL	398	383	-3.8	375	333	-11.2	23	50	117.4
MECHANICAL	214	222	3.7	204	216	5.9	10	6	-40.0
METALLURGICAL/MATERIALS	56	55	-1.8	52	51	-1.9	4	4	.0
MINING	112	154	37.5	111	144	29.7	1	10	900.0
NUCLEAR	55	54	-1.8	53	53	.0	2	1	-50.0
PETROLEUM	36	39	8.3	36	39	8.3	0	0	**
ENGINEERING, NEC.	1,185	960	-19.0	1,050	871	-17.0	135	89	-34.1
PHYSICAL SCIENCES	1,229	1,300	5.8	999	1,032	3.3	230	268	16.5
ASTRONOMY	21	15	-28.6	16	11	-31.3	5	4	-20.0
CHEMISTRY	663	770	16.1	510	583	14.3	153	187	22.2
PHYSICS	518	473	-8.7	452	407	-10.0	66	66	.0
PHYSICAL SCIENCES, NEC.	27	42	55.6	21	31	47.6	6	11	83.3
ENVIRONMENTAL SCIENCES	1,311	1,477	12.7	1,088	1,225	12.6	223	252	13.0
ATMOSPHERIC SCIENCES	13	37	184.6	12	33	175.0	1	4	300.0
GEOSCIENCES	987	1,050	6.4	829	896	8.1	158	154	-2.5
OCEANOGRAPHY	112	135	20.5	87	106	21.8	25	29	16.0
ENVIRONMENTAL SCIENCES, NEC.	199	255	28.1	160	190	18.8	39	65	66.7
MATHEMATICAL SCIENCES	2,493	2,249	-9.8	1,766	1,611	-8.8	727	638	-12.2
COMPUTER SCIENCE	988	940	-4.9	809	733	-9.4	179	207	15.6
MATHEMATICS AND APPLIED MATHEMATICS	1,421	1,224	-13.9	896	823	-8.1	525	401	-23.6
STATISTICS	84	85	1.2	61	55	-9.8	23	30	30.4
LIFE SCIENCES	12,456	13,597	9.2	6,448	6,341	-1.7	6,008	7,256	20.8
AGRICULTURAL SCIENCES	2,183	2,103	-3.7	1,757	1,628	-7.3	426	475	11.5
BIOLOGICAL SCIENCES	4,196	4,356	3.8	2,767	2,661	-3.8	1,429	1,695	18.6
ANATOMY	0	0	**	0	0	**	0	0	**
BIOCHEMISTRY	43	41	-4.7	32	34	6.3	11	7	-36.4
BIOLOGY	2,963	2,981	.6	2,103	1,986	-5.6	860	995	15.7
BIOMETRY/EPIDEMIOLOGY	0	4	**	0	3	**	0	1	**
BIOPHYSICS	1	3	200.0	1	3	200.0	0	0	**
BOTANY	108	125	15.7	69	78	13.0	39	47	20.5
CELL BIOLOGY	0	0	**	0	0	**	0	0	**
ECOLOGY	10	11	10.0	9	10	11.1	1	1	.0
ENTOMOLOGY/PARASITOLOGY	55	55	.0	44	50	13.6	11	5	-54.5
GENETICS	15	13	-13.3	5	4	-20.0	10	9	-10.0
MICROBIOLOGY	194	215	10.8	142	160	12.7	52	55	5.8
NUTRITION	348	473	35.9	105	111	5.7	243	362	49.0
PATHOLOGY	28	28	.0	13	13	.0	15	15	.0
PHARMACOLOGY	36	45	25.0	31	37	19.4	5	8	60.0
PHYSIOLOGY	5	9	80.0	2	8	300.0	3	1	-66.7
ZOOLOGY	130	107	-17.7	90	71	-21.1	40	36	-10.0
BIOSCIENCES, NEC.	260	246	-5.4	121	93	-23.1	139	153	10.1
HEALTH SCIENCES	6,077	7,138	17.5	1,924	2,052	6.7	4,153	5,086	22.5
ANESTHESIOLOGY	3	2	-33.3	3	1	-66.7	0	1	**
CARDIOLOGY	0	0	**	0	0	**	0	0	**
CLINICAL PHARMACOLOGY	0	0	**	0	0	**	0	0	**
DENTISTRY	562	667	18.7	515	577	12.0	47	90	91.5
ENDOCRINOLOGY	0	0	**	0	0	**	0	0	**
GASTROENTEROLOGY	0	0	**	0	0	**	0	0	**
HEMATOLOGY	0	0	**	0	0	**	0	0	**
NEUROLOGY	0	0	**	0	0	**	0	0	**
NURSING	1,905	2,522	32.4	101	122	20.8	1,804	2,400	33.0
OBSTETRICS/GYNECOLOGY	0	0	**	0	0	**	0	0	**
OPHTHALMOLOGY	2	1	-50.0	2	1	-50.0	0	0	**
OTORHINOLARYNGOLOGY	13	0	-100.0	13	0	-100.0	0	0	**
PEDIATRICS	59	24	-59.3	18	9	-50.0	41	15	-63.4
PHARMACEUTICAL SCIENCES	164	176	7.3	132	124	-6.1	32	52	62.5
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	347	364	4.9	211	227	7.6	136	137	.7
PSYCHIATRY	9	2	-77.8	3	1	-66.7	6	1	-83.3
PULMONARY DISEASE	0	0	**	0	0	**	0	0	**
RADIOLOGY	30	31	3.3	26	22	-15.4	4	9	125.0
SPEECH PATHOLOGY/AUDIOLOGY	1,668	1,899	13.8	254	267	5.1	1,414	1,632	15.4
SURGERY	1	2	100.0	1	2	100.0	0	0	**
VETERINARY SCIENCES	55	74	34.5	43	56	30.2	12	18	50.0
CLINICAL MEDICINE, NEC.	211	284	34.6	100	140	40.0	111	144	29.7
HEALTH RELATED, NEC.	1,048	1,090	4.0	502	503	.2	546	587	7.5
PSYCHOLOGY	4,140	4,550	9.9	2,228	2,305	3.5	1,912	2,245	17.4
SOCIAL SCIENCES	13,143	13,913	5.9	8,086	7,890	-2.4	5,057	6,023	19.1
AGRICULTURAL ECONOMICS	261	266	1.9	230	224	-2.6	31	42	35.5
ANTHROPOLOGY	653	700	7.2	370	372	.5	283	328	15.9
ECONOMICS (EXCEPT AGRICULTURAL)	875	843	-3.7	669	637	-4.8	206	206	.0
GEOGRAPHY	681	652	-4.3	517	497	-3.9	164	155	-5.5
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	**	0	0	**	0	0	**
LINGUISTICS	820	578	-29.5	299	215	-28.1	521	363	-30.3
POLITICAL SCIENCE	3,344	3,586	7.2	2,422	2,529	4.4	922	1,057	14.6
SOCIOLOGY	2,652	2,587	-2.5	1,682	1,594	-5.2	970	993	2.4
SOCIOLOGY/ANTHROPOLOGY	121	168	38.8	65	80	23.1	56	88	57.1
SOCIAL SCIENCES, NEC.	3,736	4,533	21.3	1,832	1,742	-4.9	1,904	2,791	46.6

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-16. FULL-TIME GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS AT PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND SEX: 1976 AND 1977

FIELD OF SCIENCE	TOTAL			MEN			WOMEN		
	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE	1976	1977	PERCENT CHANGE
TOTAL, ALL FIELDS	11,117	12,251	10.2	6,666	7,124	6.9	4,451	5,127	15.2
ENGINEERING	1,178	1,208	2.5	1,078	1,095	1.6	100	113	13.0
AERONAUTICAL	8	15	87.5	8	15	87.5	0	0	**
AGRICULTURAL	0	0	**	0	0	**	0	0	**
BIUMEDICAL	3	6	100.0	3	6	100.0	0	0	**
CHEMICAL	28	25	-10.7	27	23	-14.8	1	2	100.0
CIVIL	164	131	-20.1	142	115	-19.0	22	16	-27.3
ELECTRICAL	121	198	63.6	115	193	67.8	6	5	-16.7
ENGINEERING SCIENCE	29	41	41.4	26	35	34.6	3	6	100.0
INDUSTRIAL	656	551	-16.0	610	493	-19.2	46	58	26.1
MECHANICAL	76	91	19.7	74	89	20.3	2	2	.0
METALLURGICAL/MATERIALS	0	0	**	0	0	**	0	0	**
MINING	0	0	**	0	0	**	0	0	**
NUCLEAR	0	5	**	0	5	**	0	0	**
PETROLEUM	0	0	**	0	0	**	0	0	**
ENGINEERING, NEC.	93	145	55.9	73	121	65.8	20	24	20.0
PHYSICAL SCIENCES	274	287	4.7	216	219	1.4	58	68	17.2
ASTRONOMY	4	1	-75.0	4	1	-75.0	0	0	**
CHEMISTRY	165	206	24.8	119	154	29.4	46	52	13.0
PHYSICS	105	75	-28.6	93	60	-35.5	12	15	25.0
PHYSICAL SCIENCES, NEC.	0	5	**	0	4	**	0	1	**
ENVIRUNMENTAL SCIENCES	125	147	17.6	106	123	16.0	19	24	26.3
ATMOSPHERIC SCIENCES	0	0	**	0	0	**	0	0	**
GEOSCIENCES	73	72	-1.4	61	59	-3.3	12	13	8.3
OCEANOGRAPHY	23	19	-17.4	19	16	-15.8	4	3	-25.0
ENVIRONMENTAL SCIENCES, NEC.	29	56	93.1	26	48	84.6	3	8	166.7
MATHEMATICAL SCIENCES	662	602	-9.1	507	466	-8.1	155	136	-12.3
COMPUTER SCIENCE	380	328	-13.7	311	271	-12.9	69	57	-17.4
MATHEMATICS AND APPLIED MATHEMATICS	268	264	-1.5	163	185	1.1	85	79	-7.1
STATISTICS	14	10	-28.6	13	10	-23.1	1	0	-100.0
LIFE SCIENCES	2,786	3,247	16.5	1,220	1,466	20.2	1,566	1,781	13.7
AGRICULTURAL SCIENCES	76	81	6.6	60	68	13.3	16	13	-18.8
BIULOGICAL SCIENCES	939	987	5.1	583	611	4.8	356	376	5.6
ANATOMY	0	0	**	0	0	**	0	0	**
BIOCHEMISTRY	22	14	-36.4	16	11	-31.3	6	3	-50.0
BIOLOGY	682	626	-8.2	459	420	-8.5	223	206	-7.6
BIOMETRY/EPIDEMIOLOGY	31	37	19.4	13	15	15.4	18	22	22.2
BIOPHYSICS	0	0	**	0	0	**	0	0	**
BOTANY	22	26	18.2	1	14	1300.0	21	12	-42.9
CELL BIOLOGY	0	0	**	0	0	**	0	0	**
ECOLOGY	0	0	**	0	0	**	0	0	**
ENTOMOLOGY/PARASITOLOGY	0	0	**	0	0	**	0	0	**
GENETICS	32	38	18.8	5	2	-60.0	27	36	33.3
MICROBIOLOGY	39	73	87.2	33	63	90.9	6	10	66.7
NUTRITION	62	75	21.0	15	17	13.3	47	58	23.4
PATHOLOGY	4	10	150.0	4	8	100.0	0	2	**
PHARMACOLOGY	1	23	2200.0	[illegible]	17	1600.0	0	6	**
PHYSIOLOGY	5	15	200.0	[illegible]	13	160.0	0	2	**
ZOOLOGY	6	6	.0	6	6	.0	0	0	**
BIOSCIENCES, NEC.	33	44	33.3	25	25	.0	8	19	137.5
HEALTH SCIENCES	1,771	2,179	23.0	577	787	36.4	1,194	1,392	16.6
ANESTHESIOLOGY	0	1	**	0	1	**	0	0	**
CARDIOLOGY	0	0	**	0	0	**	0	0	**
CLINICAL PHARMACOLOGY	0	11	**	0	8	**	0	3	**
DENTISTRY	139	235	69.1	128	215	68.0	11	20	81.8
ENDOCRINOLOGY	0	0	**	0	0	**	0	0	**
GASTROENTEROLOGY	0	0	**	0	0	**	0	0	**
HEMATOLOGY	0	2	**	0	1	**	0	1	**
NEURULOGY	0	0	**	0	0	**	0	0	**
NURSING	579	684	18.1	21	31	47.6	558	653	17.0
OBSTETRICS/GYNECOLOGY	3	2	-33.3	3	2	-33.3	0	0	**
OPHTHALMOLOGY	5	3	-40.0	5	3	-40.0	0	0	**
OTORHINOLARYNGOLOGY	5	3	-40.0	5	3	-40.0	0	0	**
PEDIATRICS	3	5	66.7	1	1	.0	2	4	100.0
PHARMACEUTICAL SCIENCES	0	42	**	0	39	**	0	3	**
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	206	170	-17.5	81	64	-21.0	125	106	-15.2
PSYCHIATRY	11	8	-27.3	10	8	-20.0	1	0	-100.0
PULMONARY DISEASE	0	0	**	0	0	**	0	0	**
RADIOLOGY	2	2	.0	2	2	.0	0	0	**
SPEECH PATHOLOGY/AUDIOLOGY ..	341	307	-10.0	36	29	-19.4	305	278	-8.9
SURGERY	17	12	-29.4	16	11	-31.3	1	1	.0
VETERINARY SCIENCES	21	16	-23.8	15	11	-26.7	6	5	-16.7
CLINICAL MEDICINE, NEC.	102	211	106.9	38	69	81.6	64	142	121.9
HEALTH RELATED, NEC.	337	465	38.0	216	289	33.8	121	176	45.5
PSYCHOLOGY	1,668	1,773	6.3	890	855	-3.9	778	918	18.0
SOCIAL SCIENCES	4,424	4,987	12.7	2,649	2,900	9.5	1,775	2,087	17.6
AGRICULTURAL ECONOMICS	8	2	-75.0	8	2	-75.0	0	0	**
ANTHROPOLOGY	67	100	49.3	22	32	45.5	45	68	51.1
ECONOMICS (EXCEPT AGRICULTURAL)	245	356	45.3	203	288	41.9	42	68	61.9
GEOGRAPHY	34	23	-32.4	27	17	-37.0	7	6	-14.3
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	**	0	0	**	0	0	**
LINGUISTICS	152	126	-17.1	72	48	-33.3	80	78	-2.5
POLITICAL SCIENCE	1,539	1,609	4.5	1,130	1,157	2.4	409	452	10.5
SOCIOLOGY	442	384	-13.1	239	204	-14.6	203	180	-11.3
SOCIOLOGY/ANTHROPOLOGY	47	61	29.8	27	34	25.9	20	27	35.0
SOCIAL SCIENCES, NEC.	1,890	2,326	23.1	921	1,118	21.4	969	1,208	24.7

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-17. GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS, BY DIVISION, STATE, AND ENROLLMENT STATUS: 1975-77

DIVISION AND STATE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
UNITED STATES TOTAL	102034	104939	116323	2.8	10.8	48,103	49,282	52,590	2.5	6.7	53,931	55,657	63,733	3.2	14.5
NEW ENGLAND	6,564	7,093	8,524	8.1	20.2	2,761	3,301	3,286	19.6	-.5	3,803	3,792	5,238	-.3	38.1
CONNECTICUT	1,883	1,833	2,424	-2.7	32.2	560	554	467	-1.1	-15.7	1,323	1,279	1,957	-3.3	53.0
MAINE	217	278	250	28.1	-10.1	160	186	177	16.2	-4.8	57	92	73	61.4	-20.7
MASSACHUSETTS	3,134	3,632	4,468	15.9	23.0	1,091	1,577	1,627	44.5	3.2	2,043	2,055	2,841	.6	38.2
NEW HAMPSHIRE	239	252	251	5.4	-.4	125	146	154	16.8	5.5	114	106	97	-7.0	-8.5
RHODE ISLAND	361	340	350	-5.8	2.9	181	164	174	-9.4	6.1	180	176	176	-2.2	.0
VERMONT	730	758	781	3.8	3.0	644	674	687	4.7	1.9	86	84	94	-2.3	11.9
MIDDLE ATLANTIC	18,114	16,602	18,776	-8.3	13.1	5,504	4,904	5,745	-10.9	17.1	12,610	11,698	13,031	-7.2	11.4
NEW JERSEY	4,799	4,224	4,523	-12.0	7.1	1,031	709	845	-31.2	19.2	3,768	3,515	3,678	-6.7	4.6
NEW YORK	10,065	8,331	9,842	-17.2	18.1	3,471	3,136	3,490	-9.7	11.3	6,594	5,195	6,352	-21.2	22.3
PENNSYLVANIA	3,250	4,047	4,411	24.5	9.0	1,002	1,059	1,410	5.7	33.1	2,248	2,988	3,001	32.9	.4
EAST NORTH CENTRAL	16,395	16,378	16,714	-.1	2.1	8,567	8,273	8,406	-3.4	1.6	7,828	8,105	8,308	3.5	2.5
ILLINOIS	5,791	5,780	5,914	-.2	2.3	2,730	2,377	2,625	-12.9	10.4	3,061	3,403	3,289	11.2	-3.3
INDIANA	1,623	1,795	2,098	10.6	16.9	714	723	711	1.3	-1.7	909	1,072	1,387	17.9	29.4
MICHIGAN	2,622	2,567	2,631	-2.1	2.5	1,703	1,610	1,604	-5.5	-.4	919	957	1,027	4.1	7.3
OHIO	4,041	4,018	3,922	-.6	-2.4	2,013	2,204	2,130	9.5	-3.4	2,028	1,814	1,792	-10.6	-1.2
WISCONSIN	2,318	2,218	2,149	-4.3	-3.1	1,407	1,359	1,336	-3.4	-1.7	911	859	813	-5.7	-5.4
WEST NORTH CENTRAL	6,037	6,514	7,221	7.9	10.9	3,751	4,078	4,018	8.7	-1.5	2,286	2,436	3,203	6.6	31.5
IOWA	667	693	676	3.9	-2.5	481	484	383	.6	-20.9	186	209	293	12.4	40.2
KANSAS	1,589	1,632	2,114	2.7	29.5	903	937	1,112	3.8	18.7	686	695	1,002	1.3	44.2
MINNESOTA	917	880	931	-4.0	5.8	640	652	611	1.9	-6.3	277	228	320	-17.7	40.4
MISSOURI	1,818	2,052	1,923	12.9	-6.3	1,004	1,118	947	11.4	-15.3	814	934	976	14.7	4.5
NEBRASKA	369	620	848	68.0	36.8	195	336	436	72.3	29.8	174	284	412	63.2	45.1
NORTH DAKOTA	321	340	389	5.9	14.4	257	288	229	12.1	-20.5	64	52	160	-18.8	207.7
SOUTH DAKOTA	356	297	340	-16.6	14.5	271	263	300	-3.0	14.1	85	34	40	-60.0	17.6
SOUTH ATLANTIC	14,396	15,719	16,129	9.2	2.6	7,492	7,916	8,118	5.7	2.6	6,904	7,803	8,011	13.0	2.7
DELAWARE	102	91	106	-10.8	16.5	72	60	78	-16.7	30.0	30	31	28	3.3	-9.7
DISTRICT OF COLUMBIA	1,420	1,259	1,298	-11.3	3.1	604	387	427	-35.9	10.3	816	872	871	6.9	-.1
FLORIDA	3,388	3,895	3,994	15.0	2.5	1,657	1,886	1,870	13.8	-.8	1,731	2,009	2,124	16.1	5.7
GEORGIA	1,546	1,724	1,821	11.5	5.6	1,026	1,115	1,263	8.7	13.3	520	609	558	17.1	-8.4
MARYLAND	2,015	2,159	2,026	7.1	-6.2	631	677	649	7.3	-4.1	1,384	1,482	1,377	7.1	-7.1
NORTH CAROLINA	1,725	1,753	1,777	1.6	1.4	1,097	1,121	1,076	2.2	-4.0	628	632	701	.6	10.9
SOUTH CAROLINA	950	1,031	1,097	8.5	6.4	616	651	700	5.7	7.5	334	380	397	13.8	4.5
VIRGINIA	2,064	2,500	2,628	21.1	5.1	1,193	1,382	1,437	15.8	4.0	871	1,118	1,191	28.4	6.5
WEST VIRGINIA	1,186	1,307	1,382	10.2	5.7	596	637	618	6.9	-3.0	590	670	764	13.6	14.0
EAST SOUTH CENTRAL	5,028	5,784	6,390	15.0	10.5	2,917	3,402	3,761	16.6	10.6	2,111	2,382	2,629	12.8	10.4
ALABAMA	1,108	1,470	1,667	32.7	13.4	615	850	904	38.2	6.4	493	620	763	25.8	23.1
KENTUCKY	1,328	1,337	1,615	.7	20.8	832	758	982	-8.9	29.6	496	579	633	16.7	9.3
MISSISSIPPI	731	762	813	4.2	6.7	518	504	532	-2.7	5.6	213	258	281	21.1	8.9
TENNESSEE	1,861	2,215	2,295	19.0	3.6	952	1,290	1,343	35.5	4.1	909	925	952	1.8	2.9
WEST SOUTH CENTRAL	7,369	8,470	9,479	14.9	11.9	3,946	4,669	5,195	18.3	11.3	3,423	3,801	4,284	11.0	12.7
ARKANSAS	518	719	699	38.8	-2.8	286	358	363	25.2	1.4	232	361	336	55.6	-6.9
LOUISIANA	1,128	1,160	1,180	2.8	1.7	712	691	743	-2.9	7.5	416	469	437	12.7	-6.8
OKLAHOMA	579	505	611	-12.8	21.0	374	377	435	.8	15.4	205	128	176	-37.6	37.5
TEXAS	5,144	6,086	6,989	18.3	14.8	2,574	3,243	3,654	26.0	12.7	2,570	2,843	3,335	10.6	17.3
MOUNTAIN	5,102	4,389	4,350	-14.0	-.9	3,646	3,205	2,986	-12.1	-6.8	1,456	1,184	1,364	-18.7	15.2
ARIZONA	525	531	663	1.1	24.9	364	338	413	-7.1	22.2	161	193	250	19.9	29.5
COLORADO	2,544	1,850	1,430	-27.3	-22.7	1,693	1,304	850	-23.0	-34.8	851	546	580	-35.8	6.2
IDAHO	246	282	277	14.6	-1.8	210	194	215	-7.6	10.8	36	88	62	144.4	-29.5
MONTANA	215	217	204	.9	-6.0	192	200	187	4.2	-6.5	23	17	17	-26.1	.0
NEVADA	310	368	387	18.7	5.2	272	301	345	10.7	14.6	38	67	42	76.3	-37.3
NEW MEXICO	547	531	702	-2.9	32.2	368	369	409	.3	10.8	179	162	293	-9.5	80.9
UTAH	528	454	477	-14.0	5.1	400	370	382	-7.5	3.2	128	84	95	-34.4	13.1
WYOMING	187	156	210	-16.6	34.6	147	129	185	-12.2	43.4	40	27	25	-32.5	-7.4
PACIFIC	21,839	22,884	27,325	4.8	19.4	8,677	8,788	10,216	1.3	16.2	13,162	14,096	17,109	7.1	21.4
ALASKA	108	112	253	3.7	125.9	33	15	57	-54.5	280.0	75	97	196	29.3	102.1
CALIFORNIA	19,690	20,281	24,230	3.0	19.5	7,580	7,482	8,263	-1.3	10.4	12,110	12,799	15,967	5.7	24.8
HAWAII	202	198	227	-2.0	14.6	154	146	178	-5.2	21.9	48	52	49	8.3	-5.8
OREGON	616	631	803	2.4	27.3	276	277	543	.4	96.0	340	354	260	4.1	-26.6
WASHINGTON	1,223	1,662	1,812	35.9	9.0	634	868	1,175	36.9	35.4	589	794	637	34.8	-19.8
U.S. TERRITORIES	1,190	1,106	1,415	-7.1	27.9	842	746	859	-11.4	15.1	348	360	556	3.4	54.4

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-18. GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS: 1975-77

FIELD OF SCIENCE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	102034	104939	116323	2.8	10.8	48,103	49,282	52,590	2.5	6.7	53,931	55,657	63,733	3.2	14.5
ENGINEERING	17,340	17,049	18,266	-1.7	7.1	5,341	4,571	4,461	-14.4	-2.4	11,999	12,478	13,805	4.0	10.6
AERONAUTICAL	83	61	57	-26.5	-6.6	39	33	33	-15.4	.0	44	28	24	-36.4	-14.3
AGRICULTURAL	162	149	152	-8.0	2.0	151	128	127	-15.2	-.8	11	21	25	90.9	19.0
BIOMEDICAL	27	19	89	-29.6	368.4	6	3	35	-50.0	1066.7	21	16	54	-23.8	237.5
CHEMICAL	548	504	478	-8.0	-5.2	206	176	179	-14.6	1.7	342	328	299	-4.1	-8.8
CIVIL	2,069	1,889	1,988	-8.7	5.2	783	654	646	-16.3	-1.2	1,286	1,235	1,342	-4.0	8.7
ELECTRICAL	1,772	1,765	2,186	-.4	23.9	469	497	543	6.0	9.3	1,303	1,268	1,643	-2.7	29.6
ENGINEERING SCIENCE	579	556	678	-4.0	21.9	163	199	239	22.1	20.1	416	357	439	-14.2	23.0
INDUSTRIAL	7,084	7,074	7,346	-.1	3.8	1,436	1,054	934	-26.6	-11.4	5,648	6,020	6,412	6.6	6.5
MECHANICAL	1,147	1,014	1,153	-11.6	13.7	356	290	313	-18.5	7.9	791	724	840	-8.5	16.0
METALLURGICAL/MATERIALS	111	113	129	1.8	14.2	50	56	55	12.0	-1.8	61	57	74	-6.6	29.8
MINING	84	175	219	108.3	25.1	62	112	154	80.6	37.5	22	63	65	186.4	3.2
NUCLEAR	115	89	97	-22.6	9.0	69	55	59	-20.3	7.3	46	34	38	-26.1	11.8
PETROLEUM	27	39	46	44.4	17.9	27	36	39	33.3	8.3	0	3	7	**	133.3
ENGINEERING, NEC.	3,532	3,602	3,648	2.0	1.3	1,524	1,278	1,105	-16.1	-13.5	2,008	2,324	2,543	15.7	9.4
PHYSICAL SCIENCES	3,130	3,099	3,280	-1.0	5.8	1,498	1,503	1,587	.3	5.6	1,632	1,596	1,693	-2.2	6.1
ASTRONOMY	30	32	23	6.7	-28.1	20	25	16	25.0	-36.0	10	7	7	-30.0	.0
CHEMISTRY	1,972	1,935	2,085	-1.9	7.8	831	828	976	-.4	17.9	1,141	1,107	1,109	-3.0	.2
PHYSICS	1,054	1,048	1,010	-.6	-3.6	621	623	548	.3	-12.0	433	425	462	-1.8	8.7
PHYSICAL SCIENCES, NEC.	74	84	162	13.5	92.9	26	27	47	3.8	74.1	48	57	115	18.8	101.8
ENVIRONMENTAL SCIENCES	2,487	2,486	2,776	*	11.7	1,523	1,436	1,624	-5.7	13.1	964	1,050	1,152	8.9	9.7
ATMOSPHERIC SCIENCES ...	39	30	59	-23.1	96.7	21	13	37	-38.1	184.6	18	17	22	-5.6	29.4
GEOSCIENCES	1,562	1,654	1,677	5.9	1.4	994	1,060	1,122	6.6	5.8	568	594	555	4.6	-6.6
OCEANOGRAPHY	177	174	325	-1.7	86.8	128	135	154	5.5	14.1	49	39	171	-20.4	338.5
ENVIRONMENTAL SCIENCES, NEC.	709	628	715	-11.4	13.9	380	228	311	-40.0	36.4	329	400	404	21.6	1.0
MATHEMATICAL SCIENCES	7,968	8,045	7,937	1.0	-1.3	2,840	3,155	2,851	11.1	-9.6	5,128	4,890	5,086	-4.6	4.0
COMPUTER SCIENCE	2,927	3,233	3,553	10.5	9.9	1,141	1,368	1,268	19.9	-7.3	1,786	1,865	2,285	4.4	22.5
MATHEMATICS AND APPLIED MATHEMATICS ..	4,718	4,502	4,077	-4.6	-9.4	1,596	1,689	1,488	5.8	-11.9	3,122	2,813	2,589	-9.9	-8.0
STATISTICS	323	310	307	-4.0	-1.0	103	98	95	-4.9	-3.1	220	212	212	-3.6	.0
LIFE SCIENCES	23,733	27,174	31,375	14.5	15.5	13,580	15,242	16,844	12.2	10.5	10,153	11,932	14,531	17.5	21.8
AGRICULTURAL SCIENCES	2,846	3,071	3,076	7.9	.2	2,079	2,259	2,184	8.7	-3.3	767	812	892	5.9	9.9
BIOLOGICAL SCIENCES	9,299	10,370	11,247	11.5	8.5	4,445	5,135	5,343	15.5	4.1	4,854	5,235	5,904	7.8	12.8
ANATOMY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
BIOCHEMISTRY	182	180	156	-1.1	-13.3	71	65	55	-8.5	-15.4	111	115	101	3.6	-12.2
BIOLOGY	6,887	7,777	8,134	12.9	4.6	3,088	3,645	3,607	18.0	-1.0	3,799	4,132	4,527	8.8	9.6
BIOMETRY/EPIDEMIOLOGY ..	34	41	53	20.6	29.3	30	31	41	3.3	32.3	4	10	12	150.0	20.0
BIOPHYSICS	2	1	3	-50.0	200.0	2	1	3	-50.0	200.0	0	0	0	**	**
BOTANY	169	192	184	13.6	-4.2	125	130	151	4.0	16.2	44	62	33	40.9	-46.8
CELL BIOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ECOLOGY	0	30	40	**	33.3	0	10	11	**	10.0	0	20	29	**	45.0
ENTOMOLOGY/PARASITOLOGY	50	67	71	34.0	6.0	36	55	55	52.8	.0	14	12	16	-14.3	33.3
GENETICS	75	68	69	-9.3	1.5	37	47	51	27.0	8.5	38	21	18	-44.7	-14.3
MICROBIOLOGY	373	432	527	15.8	22.0	170	233	288	37.1	23.6	203	199	239	-2.0	20.1
NUTRITION	594	669	871	12.6	30.2	410	410	548	.0	33.7	184	259	323	40.8	24.7
PATHOLOGY	60	48	102	-20.0	112.5	35	32	38	-8.6	18.8	25	16	64	-36.0	300.0
PHARMACOLOGY	42	41	75	-2.4	82.9	36	37	68	2.8	83.8	6	4	7	-33.3	75.0
PHYSIOLOGY	96	94	104	-2.1	10.6	25	10	24	-60.0	140.0	71	84	80	18.3	-4.8
ZOOLOGY	125	156	122	24.8	-21.8	113	136	113	20.4	-16.9	12	20	9	66.7	-55.0
BIOSCIENCES, NEC.	610	574	736	-5.9	28.2	267	293	290	9.7	-1.0	343	281	446	-18.1	58.7
HEALTH SCIENCES	11,588	13,733	17,052	18.5	24.2	7,056	7,848	9,317	11.2	18.7	4,532	5,885	7,735	29.9	31.4
ANESTHESIOLOGY	2	3	3	50.0	.0	2	3	3	50.0	.0	0	0	0	**	**
CARDIOLOGY	2	0	0	-100.0	**	2	0	0	-100.0	**	0	0	0	**	**
CLINICAL PHARMACOLOGY ..	0	0	11	**	**	0	0	11	**	**	0	0	0	**	**
DENTISTRY	903	802	1,022	-11.2	27.4	776	701	902	-9.7	28.7	127	101	120	-20.5	18.8
ENDOCRINOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
GASTROENTEROLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
HEMATOLOGY	0	0	13	**	**	0	0	2	**	**	0	0	11	**	**
NEUROLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
NURSING	3,337	4,471	6,006	34.0	34.3	1,901	2,484	3,206	30.7	29.1	1,436	1,987	2,800	38.4	40.9
OBSTETRICS/GYNECOLOGY ..	1	3	2	200.0	-33.3	1	3	2	200.0	-33.3	0	0	0	**	**
OPHTHALMOLOGY	14	13	10	-7.1	-23.1	6	7	4	16.7	-42.9	8	6	6	-25.0	.0
OTORHINOLARYNGOLOGY	17	18	4	5.9	-77.8	17	18	3	5.9	-83.3	0	0	1	**	**
PEDIATRICS	47	90	32	91.5	-64.4	34	62	29	82.4	-53.2	13	28	3	115.4	-89.3
PHARMACEUTICAL SCIENCES	206	201	362	-2.4	80.1	155	164	218	5.8	32.9	51	37	144	-27.5	289.2
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	742	1,031	1,099	38.9	6.6	523	553	534	5.7	-3.4	219	478	565	118.3	18.2
PSYCHIATRY	17	28	18	64.7	-35.7	11	20	10	81.8	-50.0	6	8	8	33.3	.0
PULMONARY DISEASE	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RADIOLOGY	39	39	41	.0	5.1	28	32	33	14.3	3.1	11	7	8	-36.4	14.3
SPEECH PATH/AUDIOLOGY ..	3,075	3,331	3,745	8.3	12.4	1,908	2,009	2,206	5.3	9.8	1,167	1,322	1,539	13.3	16.4
SURGERY	15	27	21	80.0	-22.2	10	18	14	80.0	-22.2	5	9	7	80.0	-22.2
VETERINARY SCIENCES	119	134	148	12.6	10.4	64	76	90	18.8	18.4	55	58	58	5.5	.0
CLINICAL MEDICINE, NEC.	364	444	658	22.0	48.2	317	313	495	-1.3	58.1	47	131	163	178.7	24.4
HEALTH RELATED, NEC. ...	2,688	3,098	3,857	15.3	24.5	1,301	1,385	1,555	6.5	12.3	1,387	1,713	2,302	23.5	34.4
PSYCHOLOGY	12,314	11,863	13,544	-3.7	14.2	6,220	5,808	6,323	-6.6	8.9	6,094	6,055	7,221	-.6	19.3
SOCIAL SCIENCES	35,062	35,223	39,145	.5	11.1	17,101	17,567	18,900	2.7	7.6	17,961	17,656	20,245	-1.7	14.7
AGRICULTURAL ECONOMICS .	319	315	310	-1.3	-1.6	279	269	268	-3.6	-.4	40	46	42	15.0	-9.7
ANTHROPOLOGY	1,137	1,238	1,363	8.9	10.1	678	720	800	6.2	11.1	459	518	563	12.9	8.7
ECONOMICS (EXCEPT AGRICULTURAL)	2,935	2,211	2,296	-24.7	3.8	1,577	1,120	1,199	-29.0	7.1	1,358	1,091	1,097	-19.7	.5
GEOGRAPHY	1,403	1,491	1,396	6.3	-6.4	666	715	675	7.4	-5.6	737	776	721	5.3	-7.1
HISTORY AND PHILOSOPHY OF SCIENCE	11	12	10	9.1	-16.7	0	0	0	**	**	11	12	10	9.1	-16.7
LINGUISTICS	1,489	1,629	1,452	9.4	-10.9	801	972	704	21.3	-27.6	688	657	748	-4.5	13.9
POLITICAL SCIENCE	12,370	12,248	15,335	-1.0	25.2	4,738	4,883	5,195	3.1	6.4	7,632	7,365	10,140	-3.5	37.7
SOCIOLOGY	6,069	5,901	5,673	-2.8	-3.9	3,209	3,094	2,971	-3.6	-4.0	2,860	2,807	2,702	-1.9	-3.7
SOCIOLOGY/ANTHROPOLOGY .	285	249	358	-12.6	43.8	158	168	229	6.3	36.3	127	81	129	-36.2	59.3
SOCIAL SCIENCES, NEC. ..	9,044	9,929	10,952	9.8	10.3	4,995	5,626	6,859	12.6	21.9	4,049	4,303	4,093	6.3	-4.9

* PERCENTAGE LESS THAN 0.05

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-19. GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS AT PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS: 1975-77

FIELD OF SCIENCE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	73,003	74,754	81,135	2.4	8.5	36,759	38,165	40,339	3.8	5.7	36,244	36,589	40,796	1.0	11.5
ENGINEERING	8,272	8,537	9,345	3.2	9.5	3,568	3,393	3,253	-4.9	-4.1	4,704	5,144	6,092	9.4	18.4
AERONAUTICAL	59	48	33	-18.6	-31.3	27	25	18	-7.4	-28.0	32	23	15	-28.1	-34.8
AGRICULTURAL	162	149	152	-8.0	2.0	151	128	127	-15.2	-.8	11	21	25	90.9	19.0
BIOMEDICAL	0	0	31	**	**	0	0	29	**	**	0	0	2	**	**
CHEMICAL	452	399	395	-11.7	-1.0	180	148	154	-17.8	4.1	272	251	241	-7.7	-4.0
CIVIL	1,499	1,375	1,576	-8.3	14.6	582	490	515	-15.8	5.1	917	885	1,061	-3.5	19.9
ELECTRICAL	1,152	1,165	1,452	1.1	24.6	361	376	345	4.2	-8.2	791	789	1,107	-.3	40.3
ENGINEERING SCIENCE	464	470	485	1.3	3.2	135	170	198	25.9	16.5	329	300	287	-8.8	-4.3
INDUSTRIAL	1,250	1,240	1,480	-.8	19.4	505	398	383	-21.2	-3.8	745	842	1,097	13.0	30.3
MECHANICAL	678	624	677	-8.0	8.5	259	214	222	-17.4	3.7	419	410	455	-2.1	11.0
METALLURGICAL/MATERIALS	90	96	108	6.7	12.5	50	56	55	12.0	-1.8	40	40	53	.0	32.5
MINING	84	175	219	108.3	25.1	62	112	154	80.6	37.5	22	63	65	186.4	3.2
NUCLEAR	90	77	78	-14.4	1.3	63	55	54	-12.7	-1.8	27	22	24	-18.5	9.1
PETROLEUM	27	39	46	44.4	17.9	27	36	39	33.3	8.3	0	3	7	**	133.3
ENGINEERING, NEC.	2,265	2,680	2,613	18.3	-2.5	1,166	1,185	960	1.6	-19.0	1,099	1,495	1,653	36.0	10.6
PHYSICAL SCIENCES	2,365	2,325	2,535	-1.7	9.0	1,221	1,229	1,300	.7	5.8	1,144	1,096	1,235	-4.2	12.7
ASTRONOMY	28	28	22	.0	-21.4	18	21	15	16.7	-28.6	10	7	7	-30.0	.0
CHEMISTRY	1,394	1,376	1,549	-1.3	12.6	638	663	770	3.9	16.1	756	713	779	-5.7	9.3
PHYSICS	882	849	821	-3.7	-3.3	540	518	473	-4.1	-8.7	342	331	348	-3.2	5.1
PHYSICAL SCIENCES, NEC.	61	72	143	18.0	98.6	25	27	42	8.0	55.6	36	45	101	25.0	124.4
ENVIRONMENTAL SCIENCES	2,242	2,261	2,420	.8	7.0	1,361	1,311	1,477	-3.7	12.7	881	950	943	7.8	-.7
ATMOSPHERIC SCIENCES ...	39	30	59	-23.1	96.7	21	13	37	-38.1	184.6	18	17	22	-5.6	29.4
GEOSCIENCES	1,375	1,505	1,555	9.5	3.3	871	987	1,050	13.3	6.4	504	518	505	2.8	-2.5
OCEANOGRAPHY	163	148	198	-9.2	33.8	115	112	135	-2.6	20.5	48	36	63	-25.0	75.0
ENVIRONMENTAL SCIENCES, NEC.	665	578	608	-13.1	5.2	354	199	255	-43.8	28.1	311	379	353	21.9	-6.9
MATHEMATICAL SCIENCES	5,821	5,814	5,454	-.1	-6.2	2,242	2,493	2,249	11.2	-9.8	3,579	3,321	3,205	-7.2	-3.5
COMPUTER SCIENCE	1,635	1,839	1,914	12.5	4.1	835	988	940	18.3	-4.9	800	851	974	6.4	14.5
MATHEMATICS AND APPLIED MATHEMATICS ..	3,985	3,820	3,391	-4.1	-11.2	1,317	1,421	1,224	7.9	-13.9	2,668	2,399	2,167	-10.1	-9.7
STATISTICS	201	155	149	-22.9	-3.9	90	84	85	-6.7	1.2	111	71	64	-36.0	-9.9
LIFE SCIENCES	18,999	21,536	24,177	13.4	12.3	11,123	12,456	13,597	12.0	9.2	7,876	9,080	10,580	15.3	16.5
AGRICULTURAL SCIENCES	2,722	2,939	2,902	8.0	-1.3	2,004	2,183	2,103	8.9	-3.7	718	756	799	5.3	5.7
BIOLOGICAL SCIENCES	7,162	8,013	8,654	11.9	8.0	3,622	4,196	4,356	15.8	3.8	3,540	3,817	4,298	7.8	12.6
ANATOMY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
BIOCHEMISTRY	90	75	75	-16.7	.0	55	43	41	-21.8	-4.7	35	32	34	-8.6	6.3
BIOLOGY	5,448	6,146	6,475	12.8	5.4	2,481	2,963	2,981	19.4	.6	2,967	3,183	3,494	7.3	9.8
BIOMETRY/EPIDEMIOLOGY ..	0	3	6	**	100.0	0	0	4	**	**	0	3	2	**	-33.3
BIOPHYSICS	2	1	3	-50.0	200.0	2	1	3	-50.0	200.0	0	0	0	**	**
BOTANY	124	138	139	11.3	.7	98	108	125	10.2	15.7	26	30	14	15.4	-53.3
CELL BIOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ECOLOGY	0	30	40	**	33.3	0	10	11	**	10.0	0	20	29	**	45.0
ENTOMOLOGY/PARASITOLOGY	50	67	71	34.0	6.0	36	55	55	52.8	.0	14	12	16	-14.3	33.3
GENETICS	22	17	17	-22.7	.0	13	15	13	15.4	-13.3	9	2	4	-77.8	100.0
MICROBIOLOGY	307	343	388	11.7	13.1	162	194	215	19.8	10.8	145	149	173	2.8	16.1
NUTRITION	506	554	708	9.5	27.8	370	348	473	-5.9	35.9	136	206	235	51.5	14.1
PATHOLOGY	46	44	92	-4.3	109.1	27	28	28	3.7	.0	19	16	64	-15.8	300.0
PHARMACOLOGY	40	40	50	.0	25.0	35	36	45	2.9	25.0	5	4	5	-20.0	25.0
PHYSIOLOGY	31	36	37	16.1	2.8	11	5	9	-54.5	80.0	20	31	28	55.0	-9.7
ZOOLOGY	117	148	115	26.5	-22.3	106	130	107	22.6	-17.7	11	18	8	63.6	-55.6
BIOSCIENCES, NEC.	379	371	438	-2.1	18.1	226	260	246	15.0	-5.4	153	111	192	-27.5	73.0
HEALTH SCIENCES	9,115	10,584	12,621	16.1	19.2	5,497	6,077	7,138	10.6	17.5	3,618	4,507	5,483	24.6	21.7
ANESTHESIOLOGY	2	3	2	50.0	-33.3	2	3	2	50.0	-33.3	0	0	0	**	**
CARDIOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
CLINICAL PHARMACOLOGY ..	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
DENTISTRY	742	661	768	-10.9	16.2	640	562	667	-12.2	18.7	102	99	101	-2.9	2.0
ENDOCRINOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
GASTROENTEROLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
HEMATOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
NEUROLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
NURSING	2,648	3,392	4,665	28.1	37.5	1,504	1,905	2,522	26.7	32.4	1,144	1,487	2,143	30.0	44.1
OBSTETRICS/GYNECOLOGY ..	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
OPHTHALMOLOGY	8	6	7	-25.0	16.7	3	2	1	-33.3	-50.0	5	4	6	-20.0	50.0
OTORHINOLARYNGOLOGY	13	13	0	.0	-100.0	13	13	0	.0	-100.0	0	0	0	**	**
PEDIATRICS	43	85	26	97.7	-69.4	32	59	24	84.4	-59.3	11	26	2	136.4	-92.3
PHARMACEUTICAL SCIENCES	206	201	218	-2.4	8.5	155	164	176	5.8	7.3	51	37	42	-27.5	13.5
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	558	564	646	1.1	14.5	374	347	364	-7.2	4.9	184	217	282	17.9	30.0
PSYCHIATRY	17	17	10	.0	-41.2	11	9	2	-18.2	-77.8	6	8	8	33.3	.0
PULMONARY DISEASE	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RADIOLOGY	38	37	39	-2.6	5.4	27	30	31	11.1	3.3	11	7	8	-36.4	14.3
SPEECH PATH/AUDIOLOGY ..	2,585	2,817	3,248	9.0	15.3	1,583	1,668	1,899	5.4	13.8	1,002	1,149	1,349	14.7	17.4
SURGERY	9	9	9	.0	.0	4	1	2	-75.0	100.0	5	8	7	60.0	-12.5
VETERINARY SCIENCES	97	106	127	9.3	19.8	52	55	74	5.8	34.5	45	51	53	13.3	3.9
CLINICAL MEDICINE, NEC.	253	342	430	35.2	25.7	206	211	284	2.4	34.6	47	131	146	178.7	11.5
HEALTH RELATED, NEC. ...	1,896	2,331	2,426	22.9	4.1	891	1,048	1,090	17.6	4.0	1,005	1,283	1,336	27.7	4.1
PSYCHOLOGY	8,909	8,437	9,498	-5.3	12.6	4,483	4,140	4,550	-7.7	9.9	4,426	4,297	4,948	-2.9	15.2
SOCIAL SCIENCES	26,395	25,844	27,706	-2.1	7.2	12,761	13,143	13,913	3.0	5.9	13,634	12,701	13,793	-6.8	8.6
AGRICULTURAL ECONOMICS .	312	307	308	-1.6	.3	272	261	266	-4.0	1.9	40	46	42	15.0	-8.7
ANTHROPOLOGY	1,009	1,128	1,215	11.8	7.7	602	653	700	8.5	7.2	407	475	515	16.7	8.4
ECONOMICS (EXCEPT AGRICULTURAL)	1,968	1,722	1,687	-12.5	-2.0	862	875	843	1.5	-3.7	1,106	847	844	-23.4	-.4
GEOGRAPHY	1,362	1,449	1,354	6.4	-6.6	648	681	652	5.1	-4.3	714	768	702	7.6	-8.6
HISTORY AND PHILOSOPHY OF SCIENCE	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
LINGUISTICS	1,178	1,369	1,124	16.2	-17.9	660	820	578	24.2	-29.5	518	549	546	6.0	-.5
POLITICAL SCIENCE	8,951	8,458	9,386	-5.5	11.0	3,593	3,344	3,586	-6.9	7.2	5,358	5,114	5,800	-4.6	13.4
SOCIOLOGY	5,257	4,976	4,838	-5.3	-2.8	2,785	2,652	2,587	-4.8	-2.5	2,472	2,324	2,251	-6.0	-3.1
SOCIOLOGY/ANTHROPOLOGY .	223	190	272	-14.8	43.2	131	121	168	-7.6	38.8	92	69	104	-25.0	50.7
SOCIAL SCIENCES, NEC. ..	6,135	6,245	7,522	1.8	20.4	3,208	3,736	4,533	16.5	21.3	2,927	2,509	2,989	-14.3	19.1

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE E-20. GRADUATE STUDENTS IN ALL MASTER'S DEPARTMENTS AT PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS: 1975-77

FIELD OF SCIENCE	TOTAL					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77	1975	1976	1977	75-76	76-77
TOTAL, ALL FIELDS	29,031	30,185	35,188	4.0	16.6	11,344	11,117	12,251	-2.0	10.2	17,687	19,068	22,937	7.8	20.3
ENGINEERING	9,068	8,512	8,921	-6.1	4.8	1,773	1,178	1,208	-33.6	2.5	7,295	7,334	7,713	.5	5.2
AERONAUTICAL	24	13	24	-45.8	84.6	12	8	15	-33.3	87.5	12	5	9	-58.3	80.0
AGRICULTURAL	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
BIOMEDICAL	27	19	58	-29.6	205.3	6	3	6	-50.0	100.0	21	16	52	-23.8	225.0
CHEMICAL	96	105	83	9.4	-21.0	26	28	25	7.7	-10.7	70	77	58	10.0	-24.7
CIVIL	570	514	412	-9.8	-19.8	201	164	131	-18.4	-20.1	369	350	281	-5.1	-19.7
ELECTRICAL	620	600	734	-3.2	22.3	108	121	198	12.0	63.6	512	479	536	-6.4	11.9
ENGINEERING SCIENCE	115	86	193	-25.2	124.4	28	29	41	3.6	41.4	87	57	152	-34.5	166.7
INDUSTRIAL	5,834	5,834	5,866	.0	.5	931	656	551	-29.5	-16.0	4,903	5,178	5,315	5.6	2.6
MECHANICAL	469	390	476	-16.8	22.1	97	76	91	-21.6	19.7	372	314	385	-15.6	22.6
METALLURGICAL/MATERIALS	21	17	21	-19.0	23.5	0	0	0	**	**	21	17	21	-19.0	23.5
MINING	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
NUCLEAR	25	12	19	-52.0	58.3	6	0	5	-100.0	**	19	12	14	-36.8	16.7
PETROLEUM	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENGINEERING, NEC.	1,267	922	1,035	-27.2	12.3	358	93	145	-74.0	55.9	909	829	890	-8.8	7.4
PHYSICAL SCIENCES	765	774	745	1.2	-3.7	277	274	287	-1.1	4.7	488	500	458	2.5	-8.4
ASTRONOMY	2	4	1	100.0	-75.0	2	4	1	100.0	-75.0	0	0	0	**	**
CHEMISTRY	578	559	536	-3.3	-4.1	193	165	206	-14.5	24.8	385	394	330	2.3	-16.2
PHYSICS	172	199	189	15.7	-5.0	81	105	75	29.6	-28.6	91	94	114	3.3	21.3
PHYSICAL SCIENCES, NEC.	13	12	19	-7.7	58.3	1	0	5	-100.0	**	12	12	14	.0	16.7
ENVIRONMENTAL SCIENCES	245	225	356	-8.2	58.2	162	125	147	-22.8	17.6	83	100	209	20.5	109.0
ATMOSPHERIC SCIENCES	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
GEOSCIENCES	187	149	122	-20.3	-18.1	123	73	72	-40.7	-1.4	64	76	50	18.8	-34.2
OCEANOGRAPHY	14	26	127	85.7	388.5	13	23	19	76.9	-17.4	1	3	108	200.0	3500.0
ENVIRONMENTAL SCIENCES, NEC.	44	50	107	13.6	114.0	26	29	56	11.5	93.1	18	21	51	16.7	142.9
MATHEMATICAL SCIENCES	2,147	2,231	2,483	3.9	11.3	598	662	602	10.7	-9.1	1,549	1,569	1,881	1.3	19.9
COMPUTER SCIENCE	1,292	1,394	1,639	7.9	17.6	306	380	328	24.2	-13.7	986	1,014	1,311	2.8	29.3
MATHEMATICS AND APPLIED MATHEMATICS	733	682	686	-7.0	.6	279	268	264	-3.9	-1.5	454	414	422	-8.8	1.9
STATISTICS	122	155	158	27.0	1.9	13	14	10	7.7	-28.6	109	141	148	29.4	5.0
LIFE SCIENCES	4,734	5,638	7,198	19.1	27.7	2,457	2,786	3,247	13.4	16.5	2,277	2,852	3,951	25.3	38.5
AGRICULTURAL SCIENCES	124	132	174	6.5	31.8	75	76	81	1.3	6.6	49	56	93	14.3	66.1
BIOLOGICAL SCIENCES	2,137	2,357	2,593	10.3	10.0	823	939	987	14.1	5.1	1,314	1,418	1,606	7.9	13.3
ANATOMY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
BIOCHEMISTRY	92	105	81	14.1	-22.9	16	22	14	37.5	-36.4	76	83	67	9.2	-19.3
BIOLOGY	1,439	1,631	1,659	13.3	1.7	607	682	626	12.4	-8.2	832	949	1,033	14.1	8.9
BIOMETRY/EPIDEMIOLOGY	34	38	47	11.8	23.7	30	31	37	3.3	19.4	4	7	10	75.0	42.9
BIOPHYSICS	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
BOTANY	45	54	45	20.0	-16.7	27	22	26	-18.5	18.2	18	32	19	77.8	-40.6
CELL BIOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ECOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
ENTOMOLOGY/PARASITOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
GENETICS	53	51	52	-3.8	2.0	24	32	38	33.3	18.8	29	19	14	-34.5	-26.3
MICROBIOLOGY	66	89	139	34.8	56.2	8	39	73	387.5	87.2	58	50	66	-13.8	32.0
NUTRITION	88	115	163	30.7	41.7	40	62	75	55.0	21.0	48	53	88	10.4	66.0
PATHOLOGY	14	4	10	-71.4	150.0	8	4	10	-50.0	150.0	6	0	0	-100.0	**
PHARMACOLOGY	2	1	25	-50.0	2400.0	1	1	23	.0	2200.0	1	0	2	-100.0	**
PHYSIOLOGY	65	58	67	-10.8	15.5	14	5	15	-64.3	200.0	51	53	52	3.9	-1.9
ZOOLOGY	8	8	7	.0	-12.5	7	6	6	-14.3	.0	1	2	1	100.0	-50.0
BIOSCIENCES, NEC.	231	203	298	-12.1	46.8	41	33	44	-19.5	33.3	190	170	254	-10.5	49.4
HEALTH SCIENCES	2,473	3,149	4,431	27.3	40.7	1,559	1,771	2,179	13.6	23.0	914	1,378	2,252	50.8	63.4
ANESTHESIOLOGY	0	0	1	**	**	0	0	1	**	**	0	0	0	**	**
CARDIOLOGY	2	0	0	-100.0	**	2	0	0	-100.0	**	0	0	0	**	**
CLINICAL PHARMACOLOGY	0	0	11	**	**	0	0	11	**	**	0	0	0	**	**
DENTISTRY	161	141	254	-12.4	80.1	136	139	235	2.2	69.1	25	2	19	-92.0	850.0
ENDOCRINOLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
GASTROENTEROLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
HEMATOLOGY	0	0	13	**	**	0	0	2	**	**	0	0	11	**	**
NEUROLOGY	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
NURSING	689	1,079	1,341	56.6	24.3	397	579	684	45.8	18.1	292	500	657	71.2	31.4
OBSTETRICS/GYNECOLOGY	1	3	2	200.0	-33.3	1	3	2	200.0	-33.3	0	0	0	**	**
OPHTHALMOLOGY	6	7	3	16.7	-57.1	3	5	3	66.7	-40.0	3	2	0	-33.3	-100.0
OTORHINOLARYNGOLOGY	4	5	4	25.0	-20.0	4	5	3	25.0	-40.0	0	0	1	**	**
PEDIATRICS	4	5	6	25.0	20.0	2	3	5	50.0	66.7	2	2	1	.0	-50.0
PHARMACEUTICAL SCIENCES	0	0	144	**	**	0	0	42	**	**	0	0	102	**	**
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	184	467	453	153.8	-3.0	149	206	170	38.3	-17.5	35	261	283	645.7	8.4
PSYCHIATRY	0	11	8	**	-27.3	0	11	8	**	-27.3	0	0	0	**	**
PULMONARY DISEASE	0	0	0	**	**	0	0	0	**	**	0	0	0	**	**
RADIOLOGY	1	2	2	100.0	.0	1	2	2	100.0	.0	0	0	0	**	**
SPEECH PATH/AUDIOLOGY	490	514	497	4.9	-3.3	325	341	307	4.9	-10.0	165	173	190	4.8	9.8
SURGERY	6	18	12	200.0	-33.3	6	17	12	183.3	-29.4	0	1	0	**	-100.0
VETERINARY SCIENCES	22	28	21	27.3	-25.0	12	21	16	75.0	-23.8	10	7	5	-30.0	-28.6
CLINICAL MEDICINE, NEC.	111	102	228	-8.1	123.5	111	102	211	-8.1	106.9	0	0	17	**	**
HEALTH RELATED, NEC.	792	767	1,431	-3.2	86.6	410	337	465	-17.8	38.0	382	430	966	12.6	124.7
PSYCHOLOGY	3,405	3,426	4,046	.6	18.1	1,737	1,668	1,773	-4.0	6.3	1,668	1,758	2,273	5.4	29.3
SOCIAL SCIENCES	8,667	9,379	11,439	8.2	22.0	4,340	4,424	4,987	1.9	12.7	4,327	4,955	6,452	14.5	30.2
AGRICULTURAL ECONOMICS	7	8	2	14.3	-75.0	7	8	2	14.3	-75.0	0	0	0	**	**
ANTHROPOLOGY	128	110	148	-14.1	34.5	76	67	100	-11.8	49.3	52	43	48	-17.3	11.6
ECONOMICS (EXCEPT AGRICULTURAL)	967	489	609	-49.4	24.5	715	245	356	-65.7	45.3	252	244	253	-3.2	3.7
GEOGRAPHY	41	42	42	2.4	.0	18	34	23	88.9	-32.4	23	8	19	-65.2	137.5
HISTORY AND PHILOSOPHY OF SCIENCE	11	12	10	9.1	-16.7	0	0	0	**	**	11	12	10	9.1	-16.7
LINGUISTICS	311	260	328	-16.4	26.2	141	152	126	7.8	-17.1	170	108	202	-36.5	87.0
POLITICAL SCIENCE	3,419	3,790	5,949	10.9	57.0	1,145	1,539	1,609	34.4	4.5	2,274	2,251	4,340	-1.0	92.8
SOCIOLOGY	812	925	835	13.9	-9.7	424	442	384	4.2	-13.1	388	483	451	24.5	-6.6
SOCIOLOGY/ANTHROPOLOGY	62	59	86	-4.8	45.8	27	47	61	74.1	29.8	35	12	25	-65.7	108.3
SOCIAL SCIENCES, NEC.	2,909	3,684	3,430	26.6	-6.9	1,787	1,890	2,326	5.8	23.1	1,122	1,794	1,104	59.9	-38.5

SOURCE: NATIONAL SCIENCE FOUNDATION.

Appendix IV
Instructions, Survey Instruments, and Summaries

Page

A. Doctorate-Granting Institutions

Instructions for Form 812 195
Consolidated Departmental Data Sheets and Summaries 197

B. Master's-Granting Institutions

Instructions for Form 812A 211
Consolidated Institutional Data Sheets and Summaries 212

C. Special Summaries 214

Summary of Responses

A. DOCTORATE-GRANTING INSTITUTIONS

All Graduate Departments

Page

IV-A-1 Summary of responses from 7,951 graduate departments 197
IV-A-2 Summary of responses from 1,023 graduate departments in engineering 197
IV-A-3 Summary of responses from 495 graduate departments in the physical sciences 198
IV-A-4 Summary of responses from 260 graduate departments in the environmental sciences 198
IV-A-5 Summary of responses from 383 graduate departments in the mathematical sciences 199
IV-A-6 Summary of responses from 4,381 graduate departments in the life sciences 199
IV-A-7 Summary of responses from 292 graduate departments in psychology 200
IV-A-8 Summary of responses from 1,117 graduate departments in the social sciences 200

Master's Departments

IV-A-9 Summary of responses from 1,577 master's departments 201
IV-A-10 Summary of responses from 240 master's departments in engineering 201
IV-A-11 Summary of responses from 93 master's departments in the physical sciences 202
IV-A-12 Summary of responses from 65 master's departments in the environmental sciences 202
IV-A-13 Summary of responses from 114 master's departments in the mathematical sciences 203
IV-A-14 Summary of responses from 589 master's departments in the life sciences 203
IV-A-15 Summary of responses from 55 master's departments in psychology 204
IV-A-16 Summary of responses from 421 master's departments in the social sciences 204

Doctorate Departments

IV-A-17 Summary of responses from 6,374 doctorate departments 205
IV-A-18 Summary of responses from 783 doctorate departments in engineering 205
IV-A-19 Summary of responses from 402 doctorate departments in the physical sciences 206
IV-A-20 Summary of responses from 195 doctorate departments in the environmental sciences 206
IV-A-21 Summary of responses from 269 doctorate departments in the mathematical sciences 207
IV-A-22 Summary of responses from 3,792 doctorate departments in the life sciences 207
IV-A-23 Summary of responses from 237 doctorate departments in psychology 208
IV-A-24 Summary of responses from 696 doctorate departments in the social sciences 208

Graduate Departments in Medical, Public, and Private Schools

IV-A-25 Summary of responses from 2,991 graduate departments in medical schools 209
IV-A-26 Summary of responses from 5,416 graduate departments in publicly controlled doctorate-granting institutions 209
IV-A-27 Summary of responses from 2,535 graduate departments in privately controlled doctorate-granting institutions 210

B. MASTER'S-GRANTING INSTITUTIONS

IV-B-1 Summary of responses from all master's-granting institutions 212
IV-B-2 Summary of responses from publicly controlled master's-granting institutions 212
IV-B-3 Summary of responses from privately controlled master's-granting institutions 213

C. SPECIAL SUMMARIES

IV-C-1 Summary of responses from all graduate institutions 214
IV-C-2 Summary of responses from all master's departments 214

Doctorate-Granting Institutions

INSTRUCTIONS FOR COMPLETING THE DEPARTMENTAL DATA SHEET, FALL 1977

General

Information supplied by your department on a Departmental Data Sheet (NSF Form 812) should reflect enrollment and postdoctoral appointments in fall 1977. A Form 812 is to be completed by each science and engineering department that supplied similar data in our 1976 survey or by any newly formed departments or any departments that were inadvertently omitted last year. A list of departments for which data were submitted in 1976 has been provided to your Survey Coordinator on NSF Form 811.

A graduate student is defined as a student enrolled for credit in an advanced-degree program leading to a master's or Ph.D. degree. M.D., D.V.M. or D.D.S. candidates, interns, and residents should NOT be reported UNLESS they are concurrently working for a master's or Ph.D. Individuals who already hold an M.D., D.V.M. or D.D.S., master's, or Ph.D. degree but who are working on ANOTHER master's or Ph.D. degree are to be counted as graduate students, either full or part time. DO NOT report such individuals as postdoctorals in item 7.

Graduate students performing thesis or dissertation research away from the campus at Government and contractor-owned facilities in the United States are to be included as long as they are enrolled for credit in an advanced-degree program. Students enrolled at a branch or extension center in a foreign country are to be EXCLUDED.

A graduate student, whether full- or part-time, should be reported in only one department. If any students or postdoctorals are in interdisciplinary programs, please coordinate your response with the other participating departments, so that each student or postdoctoral will be counted only once.

Care should be taken to submit as complete and accurate a report as possible so that followup procedures with your institution may be reduced to a minimum, and more timely statistics can be made available. If there are any questions concerning your response, please contact:

Tele Sec Data Preparation Division
1725 K Street, N.W., Suite 16
Washington, D.C. 20006

Or call (collect): (202)-223-2851

Item Instructions

HIGHEST DEGREE PROGRAM OFFERED, item 4: Check the box which refers to the HIGHEST DEGREE program offered by this science department in fall 1977.

FULL-TIME GRADUATE STUDENTS, item 5: A full-time graduate student is defined as a student enrolled for credit in a master's or Ph.D. degree program (not a regular staff member) who is engaged full time in training activities in his field of science; these activities may embrace any appropriate combination of study, teaching, and research, depending upon YOUR INSTITUTION'S OWN POLICY. If your department has no full-time graduate students, write "NONE" in item 5 and move to item 6.

MECHANISMS OF SUPPORT, item 5, lines 1-8: Report each full-time graduate student according to the TYPE OF MAJOR SUPPORT received in the fall of 1977. Students should be reported as receiving a fellowship or traineeship in lines 1 and 2, if this mechanism constitutes the major source of his support. A student receiving primary support from an assistantship should be classified as a research assistant in lines 3 and 4, or as a teaching assistant in lines 5 and 6, according to how each spends the majority of his time, e.g., a graduate assistant devoting most of his time to teaching should be classified as a graduate teaching assistant. All other full-time students should be reported in lines 7 and 8.

LEVEL OF STUDY, FIRST-YEAR AND BEYOND-FIRST, items 5 & 6: A FIRST-YEAR graduate student is defined as one who will have completed LESS THAN A FULL YEAR of graduate study as of the beginning of the fall term in 1977. All other graduate students should be considered BEYOND THEIR FIRST YEAR.

STUDENTS RECEIVING FINANCIAL ASSISTANCE, item 5, columns (A) thru (H): Report the number of full-time graduate students in the appropriate column according to the source of the largest portion of their support. In determining the source of major support, consider only tuition and other academic expenses. If a graduate student receives stipend support from more than one source, choose the MAJOR category of support.

FEDERAL SOURCES, Columns (A) thru (E): Report the number of full-time graduate students in the appropriate column where they receive the largest portion of their support. Full-time graduate students receiving the largest portion of their support from Federal Government LOANS should be reported as SELF-SUPPORTED, column I.

Department of Defense (DOD), column (A): Report full-time graduate students receiving support from the Department of the Army, Navy, or Air Force. Students receiving their MAJOR support from the Veterans Administration under the G.I. Bill should be reported under column (E), "Other Federal sources;" if this form of support does not constitute his MAJOR source, the student should be counted in the appropriate column representing that source.

Department of Health, Education, and Welfare (DHEW), columns (B) and (C): Report full-time graduate students receiving support from the institutes or divisions of the NATIONAL INSTITUTES OF HEALTH (NIH), under column (B); support from all other components of DHEW should be reported under column (C), as indicated below:

Column (B)

Division of Research Resources
Fogarty International Center
National Cancer Institute
National Eye Institute
National Heart, Lung, and Blood Institute
National Institute on Aging
National Institute of Allergy and Infectious Diseases
National Institute of Arthritis, Metabolism, and Digestive Diseases
National Institute of Child Health and Human Development
National Institute of Dental Research
National Institute of Environmental Health Sciences
National Institute of General Medical Sciences
National Institute of Neurological and Communicative Disorders and Stroke

Column (C)

Alcohol, Drug Abuse, and Mental Health Administration (including National Institute of Mental Health)
Center for Disease Control
Food and Drug Administration
Health Resources Administration
Health Services Administration
National Institute of Education
Office of Education
Social and Rehabilitation Service

NONFEDERAL SOURCES, columns (F) thru (H):

Institutional support, column (F): Report full-time graduate students receiving support from your own institution and State and local governments. Funds given to a university by the FEDERAL GOVERNMENT, such as training grant funds, should be reported under the appropriate Federal agency and NOT reported as institutional support.

Foreign sources, column (G): Include support from any non-U.S. source.

Other U.S. sources, column (H): Include support from nonprofit institutions, private industry, and all other U.S. sources.

SELF-SUPPORTED STUDENTS, column (I): Include full-time graduate students whose major source of support is derived from loans from any source and from personal or family financial contributions. Full-time graduate students receiving the largest portion of their support from Federal loans should be reported here.

WOMEN, lines 10 and 11: Report the sources of support of all first-year women students in line 10 and those beyond their first year in line 11. Please note that in each column, line 10 should not exceed the total of all first-year students and line 11 should not exceed the total of those beyond their first year.

FOREIGN STUDENTS, line 12: A FOREIGN full-time graduate student is defined as one who has not attained U.S. citizenship. Do not include native residents of a U.S. possession, such as American Samoa. Applicants for U.S. citizenship are to be considered as "FOREIGN" until the date their citizenship becomes effective.

PART-TIME GRADUATE STUDENTS, item 6: A part-time graduate student is defined as a student who is enrolled in a master's or Ph.D. program, who is NOT pursuing graduate work full time as defined above in item 5. Please report the total number of women enrolled part time in column D. If your department has no part-time graduate students, write "NONE" in item 6 and move to item 7.

POSTDOCTORALS AND/OR RESEARCH ASSOCIATES, item 7: Under this category, include individuals with science or engineering doctorates or M.D.'s (including foreign degrees that are equivalent to U.S. doctorates) who devote FULL TIME to RESEARCH activities or study in the department under temporary appointments carrying no academic rank. Such appointments are usually for a SPECIFIC TIME PERIOD. They may contribute to the academic program through seminars, lectures, or working with graduate students. Their postdoctoral activities have an element of additional training for them. Exclude medical residents, unless RESEARCH TRAINING under the supervision of a Senior Mentor is the PRIME PURPOSE of the appointment. Under column (A) enter the number of fellows and trainees receiving support under Federal training grants and/or fellowships. Under column (B) enter the number of research associates appointed with Federal support. Those remaining appointees with non-Government support are to be entered under column (C). Of the total in column (D), enter in column (E) the number of postdoctorals with FOREIGN citizenship.

Fields of Science

This form is being mailed to all institutions of higher education in the United States that confer doctorate-level degrees in the sciences and/or engineering, and to all medical schools contributing to the training of science master's and Ph.D. candidates and postdoctorals. Please return the completed forms for each graduate department in your institution represented by the following fields:

Engineering

Aeronautical
Agricultural
Architectural
Biomedical
Chemical
Civil
Electrical
Engineering sciences
Industrial
Mechanical
Metallurgical
Mining
Nuclear
Petroleum
Other engineering

Physical Sciences

Astronomy
Chemistry
Physics
Other physical sciences

Environmental Sciences

- Atmospheric sciences
- Geosciences
- Oceanography
- Other environmental sciences

Mathematical Sciences

- Applied mathematics and computer sciences
- Mathematics
- Statistics

Life Sciences

- Agriculture
- Biological sciences
  - Anatomy
  - Biochemistry
  - Biology
  - Biometry and biostatistics
  - Biophysics
  - Botany
  - Cell biology
  - Ecology
  - Entomology and parasitology
  - Genetics
  - Microbiology
  - Nutrition
  - Pathology
  - Pharmacology
  - Physiology
  - Zoology
  - Other biosciences
- Other life sciences
  - Anesthesiology
  - Cardiology
  - Clinical medicine
  - Clinical pharmacology
  - Dental sciences
  - Endocrinology
  - Gastroenterology
  - Hematology
  - Neurology
  - Nursing
  - Obstetrics and gynecology
  - Ophthalmology
  - Otorhinolaryngology
  - Pediatrics
  - Pharmaceutical sciences
  - Preventive medicine, community and public health
  - Psychiatry
  - Pulmonary disease
  - Radiology
  - Speech pathology and audiology
  - Surgery
  - Veterinary sciences
  - Other health related sciences

Psychology

- Clinical psychology
- Experimental psychology
- Human development
- Physiological psychology
- Social psychology
- Other psychology

Social Sciences

- Agricultural economics
- Anthropology
- Economics (except agric.)
- Geography
- History and philosophy of science
- Linguistics
- Political science
- Public administration
- Social work
- Sociology
- Urban planning
- Other social sciences

PLEASE EXCLUDE FROM YOUR RESPONSE ALL GRADUATE DEPARTMENTS IN THE FIELDS OF EDUCATION, LAW, HUMANITIES, MUSIC, THE ARTS, PHYSICAL EDUCATION, LIBRARY SCIENCE, AND ALL OTHER NONSCIENCE FIELDS.

Form 812 is to be returned to each institution's Survey Coordinator for transmittal by January 31, 1978 to:

Tele Sec Data Preparation Division
1725 K Street, N.W., Suite 16
Washington, D.C. 20006

Thank you very much for your cooperation.

Office of Program Planning and Evaluation
National Institutes of Health
Bethesda, Maryland 20014

Division of Science Resources Studies
National Science Foundation
Washington, D.C. 20550

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-1
SUMMARY OF RESPONSES FROM
7951 GRADUATE DEPARTMENTS
AT DOCTORATE-GRANTING
INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER HEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT 1/	FOREIGN SOURCES	OTHER U.S. SOURCES 2/		
			(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	241	1,412	4,220	515	1,008	4,920	1,524	1,190		15,030
	BEYOND FIRST	(2)	250	4,973	4,274	1,317	1,535	6,979	2,266	2,790		24,384
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	564	553	221	1,139	2,506	4,902	108	1,175		11,168
	BEYOND FIRST	(4)	2,079	3,767	724	5,904	7,698	9,306	228	3,117		32,823
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		25	70	14	80	16,765		124		17,078
	BEYOND FIRST	(6)		105	104	21	187	31,158		184		31,759
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	944	60	184	22	1,036	2,392	1,188	981	30,314	37,121
	BEYOND FIRST	(8)	947	185	191	122	1,111	4,086	1,630	1,936	38,655	48,863
TOTAL		(9)	5,025	11,080	9,988	9,054	15,161	80,508	6,944	11,497	68,969	218,226
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	131	804	3,395	276	949	8,304	385	773	10,895	25,912
	BEYOND FIRST	(11)	224	2,736	3,207	973	1,802	13,422	444	1,890	13,132	37,830
FOREIGN STUDENTS		(12)										37,000

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR	BEYOND FIRST	TOTAL	OF THE TOTAL IN (C) HOW MANY ARE WOMEN?
(A)	(B)	(C)	(D)
33,278	55,206	88,484	25,965

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT			TOTAL	OF COL (D) HOW MANY ARE FOREIGN?
FEDERAL				
FELLOWSHIPS/TRAINEESHIPS	RESEARCH ASSOCIATES	NON-FEDERAL		
(A)	(B)	(C)	(D)	(E)
5,567	7,986	6,195	19,748	6,213

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-2
SUMMARY OF RESPONSES FROM
1023 GRADUATE DEPARTMENTS
IN ENGINEERING
AT DOCTORATE-GRANTING
INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER HEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT 1/	FOREIGN SOURCES	OTHER U.S. SOURCES 2/		
			(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	100	45	138	137	277	742	414	480		2,333
	BEYOND FIRST	(2)	65	140	211	261	207	544	531	503		2,462
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	425	76	10	531	1,077	1,112	27	541		3,799
	BEYOND FIRST	(4)	1,124	271	50	1,593	2,402	1,619	39	1,042		8,140
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		1	3	5	5	2,503		33		2,550
	BEYOND FIRST	(6)		11	2	6	20	3,259		31		3,329
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	551	1	6	3	193	432	428	334	5,710	7,658
	BEYOND FIRST	(8)	564	4	4	19	232	515	555	356	5,316	7,565
TOTAL		(9)	2,829	549	424	2,535	4,413	10,726	1,994	3,320	11,026	37,816
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	44	15	21	46	133	398	39	117	489	1,302
	BEYOND FIRST	(11)	45	28	19	83	162	398	32	123	414	1,304
FOREIGN STUDENTS		(12)										13,635

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR	BEYOND FIRST	TOTAL	OF THE TOTAL IN (C) HOW MANY ARE WOMEN?
(A)	(B)	(C)	(D)
13,092	17,200	30,292	1,826

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT			TOTAL	OF COL (D) HOW MANY ARE FOREIGN?
FEDERAL				
FELLOWSHIPS/TRAINEESHIPS	RESEARCH ASSOCIATES	NON-FEDERAL		
(A)	(B)	(C)	(D)	(E)
170	754	310	1,234	650

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-3
SUMMARY OF RESPONSES FROM
495 GRADUATE DEPARTMENTS
IN THE PHYSICAL SCIENCES
AT DOCTORATE-GRANTING
INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	8	23	4	76	9	544	99	64		827
	BEYOND FIRST	(2)	9	145	12	219	39	664	174	429		1,691
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	33	21	0	107	133	73	3	36		406
	BEYOND FIRST	(4)	456	967	79	2,276	1,657	558	21	343		6,357
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		3	3	2	3	4,111		8		4,130
	BEYOND FIRST	(6)		12	4	2	4	5,958		6		5,986
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	66	2	1	2	22	93	55	8	529	778
	BEYOND FIRST	(8)	70	36	8	46	39	196	45	61	1,045	1,546
TOTAL		(9)	642	1,209	111	2,730	1,906	12,197	397	955	1,574	21,721
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	3	8	0	18	12	846	17	18	86	1,008
	BEYOND FIRST	(11)	49	219	12	255	158	1,045	29	101	139	2,007
FOREIGN STUDENTS		(12)										4,575

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR	BEYOND FIRST	TOTAL	OF THE TOTAL IN (C) HOW MANY ARE WOMEN?
(A)	(B)	(C)	(D)
770	2,211	2,981	545

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT			TOTAL	OF COL (D) HOW MANY ARE FOREIGN?
FEDERAL				
FELLOWSHIPS/TRAINEESHIPS	RESEARCH ASSOCIATES	NON-FEDERAL		
(A)	(B)	(C)	(D)	(E)
465	2,934	781	4,180	1,725

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-4
SUMMARY OF RESPONSES FROM
260 GRADUATE DEPARTMENTS
IN THE ENVIRONMENTAL SCIENCES
AT DOCTORATE-GRANTING
INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	17	9	32	42	20	155	71	37		383
	BEYOND FIRST	(2)	17	23	81	82	58	268	94	97		720
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	38	0	7	233	224	223	9	37		771
	BEYOND FIRST	(4)	158	7	14	826	778	482	14	101		2,380
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		0	0	1	3	817		3		824
	BEYOND FIRST	(6)		0	0	1	15	1,274		4		1,294
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	72	8	5	3	35	65	52	32	805	1,077
	BEYOND FIRST	(8)	79	5	3	18	82	89	82	78	1,349	1,785
TOTAL		(9)	381	52	142	1,206	1,215	3,373	322	389	2,154	9,234
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	8	5	10	55	48	286	9	23	130	574
	BEYOND FIRST	(11)	20	5	12	131	134	387	13	43	188	933
FOREIGN STUDENTS		(12)										1,075

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR	BEYOND FIRST	TOTAL	OF THE TOTAL IN (C) HOW MANY ARE WOMEN?
(A)	(B)	(C)	(D)
368	1,552	1,920	280

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT			TOTAL	OF COL (D) HOW MANY ARE FOREIGN?
FEDERAL				
FELLOWSHIPS/TRAINEESHIPS	RESEARCH ASSOCIATES	NON-FEDERAL		
(A)	(B)	(C)	(D)	(E)
35	277	64	376	111

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-5
SUMMARY OF RESPONSES FROM 383 GRADUATE DEPARTMENTS IN THE MATHEMATICAL SCIENCES AT DOCTORATE-GRANTING INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	(I)	(J)
FELLOWSHIPS	FIRST YEAR	(1)	3	7	0	50	25	324	59	22		490
AND TRAINEESHIPS	BEYOND FIRST	(2)	14	37	2	99	16	389	106	86		749
RESEARCH	FIRST YEAR	(3)	32	9	0	56	28	183	0	38		346
ASSISTANTSHIPS	BEYOND FIRST	(4)	208	56	11	298	109	323	7	82		1,094
TEACHING	FIRST YEAR	(5)		1	1	2	0	2,146		10		2,160
ASSISTANTSHIPS	BEYOND FIRST	(6)		0	1	2	1	4,118		6		4,128
OTHER TYPES	FIRST YEAR	(7)	40	3	0	3	16	164	80	64	1,616	1,986
OF SUPPORT	BEYOND FIRST	(8)	57	4	5	0	26	277	93	91	1,979	2,532
TOTAL		(9)	354	117	20	510	221	7,924	345	399	3,595	13,485
OF LINE (9) HOW	FIRST YEAR	(10)	3	3	0	10	13	705	23	29	331	1,117
MANY ARE WOMEN?	BEYOND FIRST	(11)	23	17	1	40	15	1,067	20	49	422	1,654
FOREIGN STUDENTS		(12)										3,137

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR (A)	BEYOND FIRST (B)	TOTAL (C)	OF THE TOTAL IN (C) HOW MANY ARE WOMEN? (D)
2,688	3,831	6,519	1,724

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT				
FEDERAL				
FELLOWSHIPS/ TRAINEESHIPS (A)	RESEARCH ASSOCIATES (B)	NON-FEDERAL (C)	TOTAL (D)	OF COL (D) HOW MANY ARE FOREIGN? (E)
13	79	56	148	53

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-6
SUMMARY OF RESPONSES FROM 4381 GRADUATE DEPARTMENTS IN THE LIFE SCIENCES AT DOCTORATE-GRANTING INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	(I)	(J)
FELLOWSHIPS	FIRST YEAR	(1)	63	990	3,087	136	300	1,141	395	233		6,345
AND TRAINEESHIPS	BEYOND FIRST	(2)	80	3,754	2,321	394	403	2,043	599	638		10,232
RESEARCH	FIRST YEAR	(3)	13	340	55	149	758	1,602	50	425		3,392
ASSISTANTSHIPS	BEYOND FIRST	(4)	54	2,122	138	592	2,031	3,663	125	1,135		9,860
TEACHING	FIRST YEAR	(5)		18	56	3	48	3,704		33		3,862
ASSISTANTSHIPS	BEYOND FIRST	(6)		79	74	5	101	7,462		68		7,789
OTHER TYPES	FIRST YEAR	(7)	68	41	73	9	165	792	429	268	8,679	10,524
OF SUPPORT	BEYOND FIRST	(8)	69	112	58	18	253	1,177	639	423	9,586	12,335
TOTAL		(9)	347	7,456	5,862	1,306	4,059	21,584	2,237	3,223	18,265	64,339
OF LINE (9) HOW	FIRST YEAR	(10)	41	532	2,673	101	435	2,673	186	287	4,174	11,102
MANY ARE WOMEN?	BEYOND FIRST	(11)	46	1,876	1,992	290	693	4,344	195	612	3,765	13,813
FOREIGN STUDENTS		(12)										6,941

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR (A)	BEYOND FIRST (B)	TOTAL (C)	OF THE TOTAL IN (C) HOW MANY ARE WOMEN? (D)
7,036	10,902	17,938	10,310

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT				
FEDERAL				
FELLOWSHIPS/ TRAINEESHIPS (A)	RESEARCH ASSOCIATES (B)	NON-FEDERAL (C)	TOTAL (D)	OF COL (D) HOW MANY ARE FOREIGN? (E)
4,670	3,771	4,624	13,065	3,538

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-7
SUMMARY OF RESPONSES FROM
292 GRADUATE DEPARTMENTS
IN PSYCHOLOGY
AT DOCTORATE-GRANTING
INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	12	264	389	13	48	334	18	57		1,135
	BEYOND FIRST	(2)	18	598	792	96	335	841	54	288		3,022
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	22	85	80	27	23	405	0	24		666
	BEYOND FIRST	(4)	63	264	266	82	114	717	1	120		1,627
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		1	5	1	2	1,105		5		1,119
	BEYOND FIRST	(6)		2	7	3	5	3,047		10		3,074
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	14	3	17	0	41	204	11	80	2,654	3,024
	BEYOND FIRST	(8)	28	5	22	0	144	739	21	607	5,897	7,463
TOTAL		(9)	157	1,222	1,578	222	712	7,392	105	1,191	8,551	21,130
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	14	183	259	13	41	1,012	15	72	1,250	2,859
	BEYOND FIRST	(11)	21	409	521	63	239	2,305	25	466	2,782	6,831
FOREIGN STUDENTS		(12)										619

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR (A)	BEYOND FIRST (B)	TOTAL (C)	OF THE TOTAL IN (C) HOW MANY ARE WOMEN? (D)
1,531	5,136	6,667	3,196

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT				
FEDERAL				
FELLOWSHIPS/TRAINEESHIPS (A)	RESEARCH ASSOCIATES (B)	NON-FEDERAL (C)	TOTAL (D)	OF COL (D) HOW MANY ARE FOREIGN? (E)
125	103	157	385	38

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-8
SUMMARY OF RESPONSES FROM
1117 GRADUATE DEPARTMENTS
IN THE SOCIAL SCIENCES
AT DOCTORATE-GRANTING
INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	38	74	570	61	329	1,680	468	297		3,517
	BEYOND FIRST	(2)	47	276	855	186	477	2,230	708	749		5,528
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	1	22	69	36	263	1,304	19	74		1,788
	BEYOND FIRST	(4)	16	80	166	237	607	1,944	21	294		3,365
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		1	2	0	19	2,379		32		2,433
	BEYOND FIRST	(6)		1	16	2	41	6,060		59		6,159
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	133	2	82	2	564	642	133	195	10,321	12,074
	BEYOND FIRST	(8)	80	19	91	21	335	1,093	195	320	13,483	15,637
TOTAL		(9)	315	475	1,851	545	2,635	17,312	1,544	2,020	23,804	50,501
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	18	58	432	33	267	2,384	96	227	4,435	7,950
	BEYOND FIRST	(11)	20	182	650	111	401	3,876	130	496	5,422	11,288
FOREIGN STUDENTS		(12)										7,018

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR (A)	BEYOND FIRST (B)	TOTAL (C)	OF THE TOTAL IN (C) HOW MANY ARE WOMEN? (D)
7,793	14,374	22,167	8,084

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT				
FEDERAL				
FELLOWSHIPS/TRAINEESHIPS (A)	RESEARCH ASSOCIATES (B)	NON-FEDERAL (C)	TOTAL (D)	OF COL (D) HOW MANY ARE FOREIGN? (E)
89	68	203	360	98

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-9
SUMMARY OF RESPONSES FROM
1577 MASTER'S DEPARTMENTS
AT DOCTORATE-GRANTING
INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	87	87	1,780	18	328	634	199	163		3,296
	BEYOND FIRST	(2)	32	92	1,243	15	247	529	128	151		2,437
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	18	33	56	55	269	844	12	129		1,416
	BEYOND FIRST	(4)	28	37	60	68	357	829	10	147		1,536
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		3	34	0	36	2,733		28		2,834
	BEYOND FIRST	(6)		0	32	1	35	2,626		18		2,712
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	239	3	124	4	306	669	148	191	8,429	10,113
	BEYOND FIRST	(8)	208	9	83	4	233	572	147	216	6,798	8,270
TOTAL		(9)	612	264	3,412	165	1,811	9,436	644	1,043	15,227	32,614
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	53	87	1,655	23	283	1,779	57	176	3,641	7,754
	BEYOND FIRST	(11)	17	82	1,153	13	220	1,552	35	199	2,860	6,131
FOREIGN STUDENTS		(12)										3,344

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR	BEYOND FIRST	TOTAL	OF THE TOTAL IN (C) HOW MANY ARE WOMEN?
(A)	(B)	(C)	(D)
13,065	14,376	27,441	9,192

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT				
FEDERAL				
FELLOWSHIPS/ TRAINEESHIPS	RESEARCH ASSOCIATES	NON-FEDERAL	TOTAL	OF COL (D) HOW MANY ARE FOREIGN?
(A)	(B)	(C)	(D)	(E)
172	85	239	496	87

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-10
SUMMARY OF RESPONSES FROM
240 MASTER'S DEPARTMENTS
IN ENGINEERING
AT DOCTORATE-GRANTING
INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	54	1	22	4	74	13	63	30		261
	BEYOND FIRST	(2)	8	0	19	5	63	12	19	5		131
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	13	2	0	14	71	131	3	41		275
	BEYOND FIRST	(4)	19	4	3	17	52	127	3	26		251
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		0	2	0	3	366		7		378
	BEYOND FIRST	(6)		0	0	0	1	288		4		293
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	65	0	1	1	89	58	44	39	759	1,056
	BEYOND FIRST	(8)	89	0	1	0	59	47	57	29	580	862
TOTAL		(9)	248	7	58	51	412	1,042	189	181	1,339	3,507
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	18	0	2	3	21	43	10	12	65	174
	BEYOND FIRST	(11)	1	0	0	1	7	36	1	5	76	127
FOREIGN STUDENTS		(12)										986

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR	BEYOND FIRST	TOTAL	OF THE TOTAL IN (C) HOW MANY ARE WOMEN?
(A)	(B)	(C)	(D)
4,516	5,050	9,566	646

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT				
FEDERAL				
FELLOWSHIPS/ TRAINEESHIPS	RESEARCH ASSOCIATES	NON-FEDERAL	TOTAL	OF COL (D) HOW MANY ARE FOREIGN?
(A)	(B)	(C)	(D)	(E)
3	2	11	16	5

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-11
SUMMARY OF RESPONSES FROM
93 MASTER'S DEPARTMENTS
IN THE PHYSICAL SCIENCES
AT DOCTORATE-GRANTING
INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER HEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT 1/	FOREIGN SOURCES	OTHER U.S. SOURCES 2/		
			(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	0	2	0	0	0	17	0	2		21
	BEYOND FIRST	(2)	0	0	0	1	0	8	0	9		18
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	3	0	0	5	5	13	0	4		30
	BEYOND FIRST	(4)	1	4	0	0	11	28	0	6		50
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		0	0	0	0	238		1		239
	BEYOND FIRST	(6)		0	0	0	1	235		0		236
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	2	0	0	1	3	13	4	1	66	90
	BEYOND FIRST	(8)	1	0	0	0	2	9	3	1	78	94
TOTAL		(9)	7	6	0	7	22	561	7	24	144	778
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	0	0	0	1	0	67	1	0	11	80
	BEYOND FIRST	(11)	0	2	0	0	1	51	1	2	12	69
FOREIGN STUDENTS		(12)										166

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR	BEYOND FIRST	TOTAL	OF THE TOTAL IN (C) HOW MANY ARE WOMEN?
(A)	(B)	(C)	(D)
159	260	419	72

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT			TOTAL	OF COL (D) HOW MANY ARE FOREIGN?
FEDERAL				
FELLOWSHIPS/TRAINEESHIPS	RESEARCH ASSOCIATES	NON-FEDERAL		
(A)	(B)	(C)	(D)	(E)
0	15	20	35	18

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-12
SUMMARY OF RESPONSES FROM
65 MASTER'S DEPARTMENTS
IN THE ENVIRONMENTAL SCIENCES
AT DOCTORATE-GRANTING
INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER HEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT 1/	FOREIGN SOURCES	OTHER U.S. SOURCES 2/		
			(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	0	0	2	1	4	7	1	7		22
	BEYOND FIRST	(2)	0	0	2	0	7	5	1	15		30
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	0	0	2	8	29	28	0	9		76
	BEYOND FIRST	(4)	2	0	2	27	44	32	0	17		124
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		0	0	0	2	212		3		217
	BEYOND FIRST	(6)		0	0	0	1	233		3		237
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	2	0	5	2	12	23	8	8	184	244
	BEYOND FIRST	(8)	6	0	3	4	8	28	15	10	209	283
TOTAL		(9)	10	0	16	42	107	568	25	72	393	1,233
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	0	0	2	4	7	56	1	6	16	92
	BEYOND FIRST	(11)	0	0	0	6	6	56	0	7	30	105
FOREIGN STUDENTS		(12)										90

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR	BEYOND FIRST	TOTAL	OF THE TOTAL IN (C) HOW MANY ARE WOMEN?
(A)	(B)	(C)	(D)
81	243	324	52

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT			TOTAL	OF COL (D) HOW MANY ARE FOREIGN?
FEDERAL				
FELLOWSHIPS/TRAINEESHIPS	RESEARCH ASSOCIATES	NON-FEDERAL		
(A)	(B)	(C)	(D)	(E)
0	14	1	15	3

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-13
SUMMARY OF RESPONSES FROM 114 MASTER'S DEPARTMENTS IN THE MATHEMATICAL SCIENCES AT DOCTORATE-GRANTING INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE									
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES) (I)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I)) (J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	0	0	0	2	0	17	2	2		23
	BEYOND FIRST	(2)	0	1	0	2	3	7	2	6		21
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	0	0	0	7	8	34	0	1		50
	BEYOND FIRST	(4)	0	0	0	7	11	37	0	3		58
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		0	0	0	0	367		3		370
	BEYOND FIRST	(6)		0	0	1	0	329		0		330
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	20	0	0	0	3	33	26	12	490	584
	BEYOND FIRST	(8)	29	0	0	0	0	24	5	12	386	456
TOTAL		(9)	49	1	0	19	25	848	35	39	876	1,892
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	0	0	0	1	3	144	5	4	116	273
	BEYOND FIRST	(11)	0	0	0	2	2	119	0	7	107	237
FOREIGN STUDENTS		(12)										399

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR (A)	BEYOND FIRST (B)	TOTAL (C)	OF THE TOTAL IN (C) HOW MANY ARE WOMEN? (D)
897	1,137	2,034	627

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT				
FEDERAL				
FELLOWSHIPS/ TRAINEESHIPS (A)	RESEARCH ASSOCIATES (B)	NON-FEDERAL (C)	TOTAL (D)	OF COL (D) HOW MANY ARE FOREIGN? (E)
0	0	0	0	0

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-14
SUMMARY OF RESPONSES FROM 589 MASTER'S DEPARTMENTS IN THE LIFE SCIENCES AT DOCTORATE-GRANTING INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE									
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES) (I)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I)) (J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	21	78	1,512	7	118	159	60	57		2,012
	BEYOND FIRST	(2)	15	74	979	4	89	150	55	56		1,423
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	0	12	25	15	85	204	0	57		398
	BEYOND FIRST	(4)	0	24	12	16	163	280	3	63		561
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		3	29	0	19	619		1		671
	BEYOND FIRST	(6)		0	25	0	18	744		1		788
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	36	3	39	0	57	243	47	64	2,866	3,355
	BEYOND FIRST	(8)	33	5	23	0	54	240	47	80	2,249	2,731
TOTAL		(9)	106	199	2,644	42	603	2,639	212	379	5,115	11,939
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	18	73	1,427	11	142	540	27	70	1,605	3,913
	BEYOND FIRST	(11)	8	67	922	3	117	514	22	80	1,154	2,887
FOREIGN STUDENTS		(12)										780

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR (A)	BEYOND FIRST (B)	TOTAL (C)	OF THE TOTAL IN (C) HOW MANY ARE WOMEN? (D)
3,328	3,062	6,390	4,252

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT				
FEDERAL				
FELLOWSHIPS/ TRAINEESHIPS (A)	RESEARCH ASSOCIATES (B)	NON-FEDERAL (C)	TOTAL (D)	OF COL (D) HOW MANY ARE FOREIGN? (E)
158	48	194	400	58

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-15
SUMMARY OF RESPONSES FROM
55 MASTER'S DEPARTMENTS
IN PSYCHOLOGY
AT DOCTORATE-GRANTING
INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	0	3	20	0	0	23	0	0		46
	BEYOND FIRST	(2)	0	12	15	3	0	27	0	1		58
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	2	8	5	1	3	49	0	2		70
	BEYOND FIRST	(4)	2	2	8	0	1	38	0	4		55
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		0	3	0	0	180		0		183
	BEYOND FIRST	(6)		0	0	0	0	182		0		182
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	7	0	10	0	3	78	0	1	426	525
	BEYOND FIRST	(8)	4	0	1	0	0	35	0	7	404	451
TOTAL		(9)	15	25	62	4	7	612	0	15	830	1,570
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	6	5	27	0	2	172	0	2	224	438
	BEYOND FIRST	(11)	5	7	16	1	1	146	0	8	205	389
FOREIGN STUDENTS		(12)										37

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR (A)	BEYOND FIRST (B)	TOTAL (C)	OF THE TOTAL IN (C) HOW MANY ARE WOMEN? (D)
231	506	737	427

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT				
FEDERAL				
FELLOWSHIPS/TRAINEESHIPS (A)	RESEARCH ASSOCIATES (B)	NON-FEDERAL (C)	TOTAL (D)	OF COL (D) HOW MANY ARE FOREIGN? (E)
1	2	1	4	0

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-16
SUMMARY OF RESPONSES FROM
421 MASTER'S DEPARTMENTS
IN THE SOCIAL SCIENCES
AT DOCTORATE-GRANTING
INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	12	3	224	4	132	398	73	65		911
	BEYOND FIRST	(2)	8	5	228	0	85	320	51	59		756
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	0	11	24	5	68	385	9	15		517
	BEYOND FIRST	(4)	4	3	35	1	75	287	4	28		437
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		0	0	0	12	751		13		776
	BEYOND FIRST	(6)		0	7	0	14	615		10		646
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	107	0	69	0	139	221	19	66	3,638	4,259
	BEYOND FIRST	(8)	46	4	55	0	110	189	20	77	2,892	3,393
TOTAL		(9)	177	26	642	10	635	3,166	176	333	6,530	11,695
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	11	9	197	3	108	757	13	82	1,604	2,784
	BEYOND FIRST	(11)	3	6	215	0	86	630	11	90	1,276	2,317
FOREIGN STUDENTS		(12)										886

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR (A)	BEYOND FIRST (B)	TOTAL (C)	OF THE TOTAL IN (C) HOW MANY ARE WOMEN? (D)
3,853	4,118	7,971	3,116

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT				
FEDERAL				
FELLOWSHIPS/TRAINEESHIPS (A)	RESEARCH ASSOCIATES (B)	NON-FEDERAL (C)	TOTAL (D)	OF COL (D) HOW MANY ARE FOREIGN? (E)
10	4	12	26	3

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-17
SUMMARY OF RESPONSES FROM
6374 DOCTORATE DEPARTMENTS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	154	1,325	2,440	497	680	4,286	1,325	1,027		11,734
	BEYOND FIRST	(2)	218	4,881	3,031	1,302	1,288	6,450	2,138	2,639		21,947
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	546	520	165	1,084	2,237	4,058	96	1,046		9,752
	BEYOND FIRST	(4)	2,051	3,730	664	5,836	7,341	8,477	218	2,970		31,287
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		22	36	14	44	14,032		96		14,244
	BEYOND FIRST	(6)		105	72	20	152	28,532		166		29,047
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	705	57	60	18	730	1,723	1,040	790	21,885	27,008
	BEYOND FIRST	(8)	739	176	108	118	878	3,514	1,483	1,720	31,857	40,593
TOTAL		(9)	4,413	10,816	6,576	8,889	13,350	71,072	6,300	10,454	53,742	185,612
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	78	717	1,740	253	666	6,525	328	597	7,254	18,158
	BEYOND FIRST	(11)	207	2,654	2,056	960	1,582	11,870	409	1,691	10,272	31,699
FOREIGN STUDENTS		(12)										33,656

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR (A)	BEYOND FIRST (B)	TOTAL (C)	OF THE TOTAL IN (C) HOW MANY ARE WOMEN? (D)
20,213	40,830	61,043	16,773

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT			TOTAL	OF COL (D) HOW MANY ARE FOREIGN?
FEDERAL		NON-FEDERAL		
FELLOWSHIPS/TRAINEESHIPS (A)	RESEARCH ASSOCIATES (B)	(C)	(D)	(E)
5,395	7,901	5,956	19,252	6,126

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-18
SUMMARY OF RESPONSES FROM
783 DOCTORATE DEPARTMENTS
IN ENGINEERING

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	46	44	116	133	203	729	351	450		2,072
	BEYOND FIRST	(2)	57	140	192	236	144	532	512	498		2,311
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	412	74	10	517	1,006	981	24	500		3,524
	BEYOND FIRST	(4)	1,105	267	47	1,576	2,350	1,492	36	1,016		7,889
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		1	1	5	2	2,137		26		2,172
	BEYOND FIRST	(6)		11	2	6	19	2,971		27		3,036
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	486	1	5	2	104	374	384	295	4,951	6,602
	BEYOND FIRST	(8)	475	4	3	19	173	468	498	327	4,736	6,703
TOTAL		(9)	2,581	542	376	2,494	4,001	9,684	1,805	3,139	9,687	34,309
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	26	15	19	43	112	355	29	105	424	1,128
	BEYOND FIRST	(11)	44	28	19	82	155	362	31	118	338	1,177
FOREIGN STUDENTS		(12)										12,649

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR (A)	BEYOND FIRST (B)	TOTAL (C)	OF THE TOTAL IN (C) HOW MANY ARE WOMEN? (D)
8,576	12,150	20,726	1,180

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT			TOTAL	OF COL (D) HOW MANY ARE FOREIGN?
FEDERAL		NON-FEDERAL		
FELLOWSHIPS/TRAINEESHIPS (A)	RESEARCH ASSOCIATES (B)	(C)	(D)	(E)
167	752	299	1,218	645

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-19
SUMMARY OF RESPONSES FROM
402 DOCTORATE DEPARTMENTS
IN THE PHYSICAL SCIENCES

5. FULL-TIME GRADUATE STUDENTS

			STUDENTS RECEIVING FINANCIAL ASSISTANCE									
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES) (I)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I)) (J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	8	21	4	76	9	527	99	62		806
	BEYOND FIRST	(2)	9	145	12	218	39	656	174	420		1,673
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	30	21	0	102	128	60	3	32		376
	BEYOND FIRST	(4)	455	963	79	2,276	1,646	530	21	337		6,307
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		3	3	2	3	3,873		7		3,891
	BEYOND FIRST	(6)		12	4	2	3	5,723		6		5,750
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	64	2	1	1	19	80	51	7	463	688
	BEYOND FIRST	(8)	69	36	8	46	37	187	42	60	967	1,452
TOTAL		(9)	635	1,203	111	2,723	1,884	11,636	390	931	1,430	20,943
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	3	8	0	17	12	779	16	18	75	928
	BEYOND FIRST	(11)	49	217	12	255	157	994	28	99	127	1,938
FOREIGN STUDENTS		(12)										4,409

6. PART-TIME GRADUATE STUDENTS

FALL 1977

FIRST YEAR (A)	BEYOND FIRST (B)	TOTAL (C)	OF THE TOTAL IN (C) HOW MANY ARE WOMEN? (D)
611	1,951	2,562	473

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES

FALL 1977

SOURCE OF SUPPORT				
FEDERAL				
FELLOWSHIPS/ TRAINEESHIPS (A)	RESEARCH ASSOCIATES (B)	NON-FEDERAL (C)	TOTAL (D)	OF COL (D) HOW MANY ARE FOREIGN? (E)
465	2,919	761	4,145	1,707

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-20
SUMMARY OF RESPONSES FROM
195 DOCTORATE DEPARTMENTS
IN THE ENVIRONMENTAL SCIENCES

5. FULL-TIME GRADUATE STUDENTS

			STUDENTS RECEIVING FINANCIAL ASSISTANCE									
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES) (I)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I)) (J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	17	9	30	41	16	148	70	30		361
	BEYOND FIRST	(2)	17	23	79	82	51	263	93	82		690
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	38	0	5	225	195	195	9	28		695
	BEYOND FIRST	(4)	156	7	12	799	734	450	14	84		2,256
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		0	0	1	1	605		0		607
	BEYOND FIRST	(6)		0	0	1	14	1,041		1		1,057
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	70	8	0	1	23	42	44	24	621	833
	BEYOND FIRST	(8)	73	5	0	14	74	61	67	68	1,140	1,502
TOTAL		(9)	371	52	126	1,164	1,108	2,805	297	317	1,761	8,001
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	8	5	8	51	41	230	8	17	114	482
	BEYOND FIRST	(11)	20	5	12	125	128	331	13	36	158	828
FOREIGN STUDENTS		(12)										985

6. PART-TIME GRADUATE STUDENTS

FALL 1977

FIRST YEAR (A)	BEYOND FIRST (B)	TOTAL (C)	OF THE TOTAL IN (C) HOW MANY ARE WOMEN? (D)
287	1,309	1,596	228

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES

FALL 1977

SOURCE OF SUPPORT				
FEDERAL				
FELLOWSHIPS/ TRAINEESHIPS (A)	RESEARCH ASSOCIATES (B)	NON-FEDERAL (C)	TOTAL (D)	OF COL (D) HOW MANY ARE FOREIGN? (E)
35	263	63	361	108

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-21
SUMMARY OF RESPONSES FROM 269 DOCTORATE DEPARTMENTS IN THE MATHEMATICAL SCIENCES

5. FULL-TIME GRADUATE STUDENTS

			STUDENTS RECEIVING FINANCIAL ASSISTANCE									SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	(I)	(J)
FELLOWSHIPS	FIRST YEAR	(1)	3	7	0	48	25	307	57	20		467
AND TRAINEESHIPS	BEYOND FIRST	(2)	16	36	2	97	13	382	104	80		728
RESEARCH	FIRST YEAR	(3)	32	9	0	49	20	149	0	37		296
ASSISTANTSHIPS	BEYOND FIRST	(4)	208	56	11	291	98	286	7	79		1,036
TEACHING	FIRST YEAR	(5)		1	1	2	0	1,779		7		1,790
ASSISTANTSHIPS	BEYOND FIRST	(6)		0	1	1	1	3,789		6		3,798
OTHER TYPES	FIRST YEAR	(7)	20	3	0	3	13	131	54	52	1,126	1,402
OF SUPPORT	BEYOND FIRST	(8)	28	4	5	0	26	253	88	79	1,593	2,076
TOTAL		(9)	305	116	20	491	196	7,076	310	360	2,719	11,593
OF LINE (9) HOW	FIRST YEAR	(10)	3	3	0	9	10	561	18	25	215	844
MANY ARE WOMEN?	BEYOND FIRST	(11)	23	17	1	38	13	948	20	42	315	1,417
FOREIGN STUDENTS		(12)										2,738

6. PART-TIME GRADUATE STUDENTS
FALL 1977

FIRST YEAR	BEYOND FIRST	TOTAL	OF THE TOTAL IN (C) HOW MANY ARE WOMEN?
(A)	(B)	(C)	(D)
1,791	2,694	4,485	1,097

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES
FALL 1977

SOURCE OF SUPPORT			TOTAL	OF COL (D) HOW MANY ARE FOREIGN?
FEDERAL				
FELLOWSHIPS/TRAINEESHIPS	RESEARCH ASSOCIATES	NON-FEDERAL		
(A)	(B)	(C)	(D)	(E)
13	79	56	148	53

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-22
SUMMARY OF RESPONSES FROM 3792 DOCTORATE DEPARTMENTS IN THE LIFE SCIENCES

5. FULL-TIME GRADUATE STUDENTS

			STUDENTS RECEIVING FINANCIAL ASSISTANCE									SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	(I)	(J)
FELLOWSHIPS	FIRST YEAR	(1)	42	912	1,575	129	182	982	335	176		4,333
AND TRAINEESHIPS	BEYOND FIRST	(2)	64	3,680	1,342	390	314	1,893	544	582		8,809
RESEARCH	FIRST YEAR	(3)	13	328	30	134	673	1,398	50	368		2,994
ASSISTANTSHIPS	BEYOND FIRST	(4)	54	2,098	126	576	1,868	3,383	122	1,072		9,299
TEACHING	FIRST YEAR	(5)		15	27	3	29	3,085		32		3,191
ASSISTANTSHIPS	BEYOND FIRST	(6)		79	49	5	83	6,718		67		7,001
OTHER TYPES	FIRST YEAR	(7)	32	38	34	9	108	549	382	204	5,813	7,169
OF SUPPORT	BEYOND FIRST	(8)	36	107	35	18	199	937	592	343	7,337	9,606
TOTAL		(9)	241	7,257	3,218	1,264	3,456	18,945	2,025	2,844	13,150	52,400
OF LINE (9) HOW	FIRST YEAR	(10)	23	459	1,246	90	293	2,133	159	217	2,569	7,189
MANY ARE WOMEN?	BEYOND FIRST	(11)	38	1,809	1,070	287	576	3,830	173	532	2,611	10,926
FOREIGN STUDENTS		(12)										6,161

6. PART-TIME GRADUATE STUDENTS
FALL 1977

FIRST YEAR	BEYOND FIRST	TOTAL	OF THE TOTAL IN (C) HOW MANY ARE WOMEN?
(A)	(B)	(C)	(D)
3,708	7,840	11,548	6,058

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES
FALL 1977

SOURCE OF SUPPORT			TOTAL	OF COL (D) HOW MANY ARE FOREIGN?
FEDERAL				
FELLOWSHIPS/TRAINEESHIPS	RESEARCH ASSOCIATES	NON-FEDERAL		
(A)	(B)	(C)	(D)	(E)
4,512	3,723	4,430	12,665	3,480

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-23
SUMMARY OF RESPONSES FROM
237 DOCTORATE DEPARTMENTS
IN PSYCHOLOGY

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	12	261	369	13	48	311	18	57		1,089
	BEYOND FIRST	(2)	18	586	777	93	335	814	54	287		2,964
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	20	77	75	26	20	356	0	22		596
	BEYOND FIRST	(4)	61	262	258	82	113	679	1	116		1,572
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		1	2	1	2	925		5		936
	BEYOND FIRST	(6)		2	7	3	5	2,865		10		2,892
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	7	3	7	0	38	126	11	79	2,228	2,499
	BEYOND FIRST	(8)	24	5	21	0	144	704	21	600	5,493	7,012
TOTAL		(9)	142	1,197	1,516	218	705	6,780	105	1,176	7,721	19,560
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	8	178	232	13	39	840	15	70	1,026	2,421
	BEYOND FIRST	(11)	16	402	505	62	238	2,159	25	458	2,577	6,442
FOREIGN STUDENTS		(12)										582

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR	BEYOND FIRST	TOTAL	OF THE TOTAL IN (C) HOW MANY ARE WOMEN?
(A)	(B)	(C)	(D)
1,300	4,630	5,930	2,769

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT				
FEDERAL				
FELLOWSHIPS/ TRAINEESHIPS	RESEARCH ASSOCIATES	NON-FEDERAL	TOTAL	OF COL (D) HOW MANY ARE FOREIGN?
(A)	(B)	(C)	(D)	(E)
124	101	156	381	38

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-24
SUMMARY OF RESPONSES FROM
696 DOCTORATE DEPARTMENTS
IN THE SOCIAL SCIENCES

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	26	71	346	57	197	1,282	395	232		2,606
	BEYOND FIRST	(2)	39	271	627	186	392	1,910	657	690		4,772
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	1	11	45	31	195	919	10	59		1,271
	BEYOND FIRST	(4)	12	77	131	236	532	1,657	17	266		2,928
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		1	2	0	7	1,628		19		1,657
	BEYOND FIRST	(6)		1	9	2	27	5,425		49		5,513
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	26	2	13	2	425	421	114	129	6,683	7,815
	BEYOND FIRST	(8)	34	15	36	21	225	904	175	243	10,591	12,244
TOTAL		(9)	138	449	1,209	535	2,000	14,146	1,368	1,687	17,274	38,806
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	7	49	235	30	159	1,627	83	145	2,831	5,166
	BEYOND FIRST	(11)	17	176	435	111	315	3,246	119	406	4,146	8,971
FOREIGN STUDENTS		(12)										6,132

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR	BEYOND FIRST	TOTAL	OF THE TOTAL IN (C) HOW MANY ARE WOMEN?
(A)	(B)	(C)	(D)
3,940	10,256	14,196	4,968

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT				
FEDERAL				
FELLOWSHIPS/ TRAINEESHIPS	RESEARCH ASSOCIATES	NON-FEDERAL	TOTAL	OF COL (D) HOW MANY ARE FOREIGN?
(A)	(B)	(C)	(D)	(E)
79	64	191	334	95

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-25
SUMMARY OF RESPONSES FROM
2991 GRADUATE DEPARTMENTS
IN MEDICAL SCHOOLS

5. FULL-TIME GRADUATE STUDENTS

MECHANISMS OF SUPPORT	LEVEL OF STUDY		STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
			DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER HEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT 1/	FOREIGN SOURCES	OTHER U.S. SOURCES 2/		
			(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	24	517	662	30	84	558	58	61		1,994
	BEYOND FIRST	(2)	39	2,085	595	107	99	855	55	209		4,044
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	6	130	12	7	9	152	3	30		349
	BEYOND FIRST	(4)	13	911	37	43	64	397	2	127		1,594
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		2	0	0	6	402		13		423
	BEYOND FIRST	(6)		49	3	5	28	1,137		21		1,243
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	25	37	33	3	38	254	57	77	1,793	2,317
	BEYOND FIRST	(8)	37	64	28	2	52	432	53	144	1,917	2,729
TOTAL		(9)	144	3,795	1,370	197	380	4,187	228	682	3,710	14,693
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	12	241	533	20	68	510	25	68	854	2,331
	BEYOND FIRST	(11)	19	962	474	56	69	905	30	160	822	3,497
FOREIGN STUDENTS		(12)										1,114

6. PART-TIME GRADUATE STUDENTS
FALL 1977

FIRST YEAR	BEYOND FIRST	TOTAL	OF THE TOTAL IN (C) HOW MANY ARE WOMEN?
(A)	(B)	(C)	(D)
1,261	1,547	2,808	1,576

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES
FALL 1977

SOURCE OF SUPPORT			TOTAL	OF COL (D) HOW MANY ARE FOREIGN?
FEDERAL		NON-FEDERAL		
FELLOWSHIPS/TRAINEESHIPS	RESEARCH ASSOCIATES			
(A)	(B)	(C)	(D)	(E)
3,700	2,080	3,641	9,421	2,390

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-26
SUMMARY OF RESPONSES FROM
5416 GRADUATE DEPARTMENTS
IN PUBLICLY CONTROLLED
DOCTORATE-GRANTING
INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS

MECHANISMS OF SUPPORT	LEVEL OF STUDY		STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
			DEPT. OF DEFENSE	NATIONAL INST. OF HEALTH	OTHER HEW	NATIONAL SCIENCE FOUND.	OTHER FEDERAL SOURCES	INSTITUTIONAL SUPPORT 1/	FOREIGN SOURCES	OTHER U.S. SOURCES 2/		
			(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	133	768	3,159	213	728	2,160	869	639		8,669
	BEYOND FIRST	(2)	188	2,676	3,091	552	1,069	3,274	1,310	1,560		13,720
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	357	451	176	819	2,024	4,240	89	928		9,084
	BEYOND FIRST	(4)	1,225	2,815	553	3,900	5,970	8,098	184	2,354		25,099
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		21	54	14	64	13,821		100		14,074
	BEYOND FIRST	(6)		77	87	15	117	25,138		151		25,585
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	840	52	129	22	553	1,784	791	627	22,327	27,125
	BEYOND FIRST	(8)	816	145	136	109	865	3,096	1,161	1,462	26,894	34,684
TOTAL		(9)	3,559	7,005	7,385	5,644	11,390	61,611	4,404	7,821	49,221	158,040
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	78	484	2,508	175	783	6,266	209	516	8,026	19,045
	BEYOND FIRST	(11)	152	1,687	2,309	610	1,394	9,984	292	1,307	8,884	26,619
FOREIGN STUDENTS		(12)										25,633

6. PART-TIME GRADUATE STUDENTS
FALL 1977

FIRST YEAR	BEYOND FIRST	TOTAL	OF THE TOTAL IN (C) HOW MANY ARE WOMEN?
(A)	(B)	(C)	(D)
18,709	32,193	50,902	16,213

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES
FALL 1977

SOURCE OF SUPPORT			TOTAL	OF COL (D) HOW MANY ARE FOREIGN?
FEDERAL		NON-FEDERAL		
FELLOWSHIPS/TRAINEESHIPS	RESEARCH ASSOCIATES			
(A)	(B)	(C)	(D)	(E)
2,567	4,808	3,202	10,577	3,355

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977
DEPARTMENTAL DATA SHEET

TABLE IV-A-27
SUMMARY OF RESPONSES FROM
2535 GRADUATE DEPARTMENTS
IN PRIVATELY CONTROLLED
DOCTORATE-GRANTING
INSTITUTIONS

5. FULL-TIME GRADUATE STUDENTS			STUDENTS RECEIVING FINANCIAL ASSISTANCE								SELF-SUPPORT (INCLUD. LOANS & FAMILY SOURCES)	TOTAL FOR ALL SOURCES (SUM OF COLUMNS (A) THRU (I))
			FEDERAL SOURCES (EXCLUDING LOANS)					NON-FEDERAL SOURCES				
				HEW								
MECHANISMS OF SUPPORT	LEVEL OF STUDY		DEPT. OF DEFENSE (A)	NATIONAL INST. OF HEALTH (B)	OTHER HEW (C)	NATIONAL SCIENCE FOUND. (D)	OTHER FEDERAL SOURCES (E)	INSTITUTIONAL SUPPORT 1/ (F)	FOREIGN SOURCES (G)	OTHER U.S. SOURCES 2/ (H)	(I)	(J)
FELLOWSHIPS AND TRAINEESHIPS	FIRST YEAR	(1)	108	644	1,061	302	280	2,760	655	551		6,361
	BEYOND FIRST	(2)	62	2,297	1,183	765	466	3,705	956	1,230		10,664
RESEARCH ASSISTANTSHIPS	FIRST YEAR	(3)	207	102	45	320	482	662	19	247		2,084
	BEYOND FIRST	(4)	854	952	171	2,004	1,728	1,208	44	763		7,724
TEACHING ASSISTANTSHIPS	FIRST YEAR	(5)		4	16	0	16	2,944		24		3,004
	BEYOND FIRST	(6)		28	17	6	70	6,020		33		6,174
OTHER TYPES OF SUPPORT	FIRST YEAR	(7)	104	8	55	0	483	608	397	354	7,987	9,996
	BEYOND FIRST	(8)	131	40	55	13	246	990	469	474	11,761	14,179
TOTAL		(9)	1,466	4,075	2,603	3,410	3,771	18,897	2,540	3,676	19,748	60,186
OF LINE (9) HOW MANY ARE WOMEN?	FIRST YEAR	(10)	53	320	887	101	166	2,038	176	257	2,869	6,867
	BEYOND FIRST	(11)	72	1,049	898	363	408	3,438	152	583	4,248	11,211
FOREIGN STUDENTS		(12)										11,367

6. PART-TIME GRADUATE STUDENTS FALL 1977			
FIRST YEAR (A)	BEYOND FIRST (B)	TOTAL (C)	OF THE TOTAL IN (C) HOW MANY ARE WOMEN? (D)
14,569	23,013	37,582	9,752

7. POSTDOCTORALS AND/OR RESEARCH ASSOCIATES FALL 1977				
SOURCE OF SUPPORT				
FEDERAL				
FELLOWSHIPS/TRAINEESHIPS (A)	RESEARCH ASSOCIATES (B)	NON-FEDERAL (C)	TOTAL (D)	OF COL (D) HOW MANY ARE FOREIGN? (E)
3,000	3,178	2,993	9,171	2,858

1/ INCLUDES SUPPORT FROM INSTITUTIONS AND STATE AND LOCAL GOVERNMENTS.
2/ INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, INDUSTRY, AND ALL OTHER U.S. SOURCES.

Master's-Granting Institutions

INSTRUCTIONS FOR COMPLETING THE INSTITUTIONAL DATA SHEET, FALL 1977

GENERAL

Information supplied for each master's-level department on the Institutional Data Sheet (NSF Form 812A) should reflect total enrollment in fall 1977. A list of departments, for which data were submitted in 1976, appears on the form. Corrections to department names should be made directly on the form. Space is also provided to add any new or interdepartmental programs, as well as any master's-level science and engineering departments which were inadvertently omitted last year.

A GRADUATE STUDENT is defined as a student enrolled for credit in an advanced-degree program leading to a master's degree in science or engineering. Individuals who already hold a master's, M.D., D.D.S., D.V.M., or Ph.D. degree but who are working on ANOTHER master's degree are to be counted as graduate students, either full- or part-time.

Graduate students performing thesis or dissertation research away from the campus at Government and contractor-owned facilities in the United States are to be included as long as they are enrolled for credit in a master's degree program. Students enrolled at a branch or extension center in a foreign country are to be EXCLUDED.

A graduate student, whether full- or part-time, should be reported in only one department. If any students are in interdisciplinary programs, please be sure that each student will be counted only once. If a graduate student is enrolled in an inter-institutional program, please report the student only if the degree will be granted by your institution.

Care should be taken to submit as complete and accurate a report as possible so that followup procedures with your institution may be reduced to a minimum, and more timely statistics can be made available. If there are any questions concerning your response, please contact:

Dan Graser
Tele Sec Data Preparation Division
1725 K Street, N.W., Suite 16
Washington, D. C. 20006

Or call (collect): (202) 223-2651

ITEM INSTRUCTIONS

FULL-TIME GRADUATE STUDENTS, columns (A)-(H): A full-time graduate student is defined as a student enrolled for credit in a master's degree program (not a regular staff member) who is engaged full time in training activities in his field of science; these activities may embrace any appropriate combination of study, teaching, and research, depending upon YOUR INSTITUTION'S OWN POLICY. If a department has no full-time graduate students, write 'NONE' in column (E).

SOURCES OF MAJOR SUPPORT, columns (A)-(D): Report the number of full-time graduate students in the appropriate column according to the source of the largest portion of their support. In determining the source of major support, consider only tuition and other academic expenses. If a graduate student receives stipend support from more than one source, choose the MAJOR category of support.

FEDERAL GOVERNMENT SUPPORT, column (A): Report full-time graduate students receiving the largest portion of their support from Federal agencies. Full-time graduate students receiving their MAJOR support from the Veterans Administration under the G.I. Bill should be reported here. Full-time graduate students whose major source of support is from Federal Government LOANS should be reported under SELF-SUPPORT, column (D).

INSTITUTIONAL SUPPORT, column (B): Report full-time graduate students receiving support from your own institution and State and local governments. Funds given to a university by the FEDERAL GOVERNMENT, such as training grant funds, should be reported under FEDERAL GOVERNMENT SUPPORT, column (A) and NOT reported as INSTITUTIONAL SUPPORT.

OTHER OUTSIDE SUPPORT, column (C): Report full-time graduate students receiving support from nonprofit institutions, private industry, and all other U.S. sources, as well as any non-U.S. sources.

SELF-SUPPORT, column (D): Include full-time graduate students whose major source of support is derived from loans from any source and from personal or family financial contributions. Full-time graduate students receiving the largest portion of their support from Federal loans should be reported here. PLEASE BE SURE THAT ALL SELF-SUPPORTED STUDENTS ARE INCLUDED.

MEN/WOMEN, columns (F) and (G), (J) and (K): Of the total column (E), report the number of male full-time graduate students in column (F) and female full-time graduate students in column (G). Similarly, of the total in column (I), report the number of male part-time graduate students in column (J) and female part-time graduate students in column (K).

FULL-TIME FOREIGN STUDENTS, column (H): Of the total in column (E), report the number of FOREIGN graduate students, those who have not attained U.S. citizenship. Do not include native residents of a U.S. possession, such as American Samoa. Applicants for U.S. citizenship are to be considered as "FOREIGN" until the date their citizenship becomes effective.

PART-TIME GRADUATE STUDENTS, columns (I)-(K): A part-time graduate student is defined as a student who is enrolled in a master's program who is NOT pursuing graduate work full time as defined above. If a department has no part-time graduate students, write 'NONE' in column (H).

FIELDS OF SCIENCE

This form is being mailed to all institutions of higher education in the United States that confer the master's as the highest degree granted in the sciences and/or engineering. Please be sure that the completed form includes all master's-level departments in your institution represented by the following fields:

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977

TABLE IV-B-1
SUMMARY OF RESPONSES FROM ALL MASTER'S-GRANTING INSTITUTIONS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME STUDENTS ENROLLED FOR MASTER'S DEGREES								PART-TIME STUDENTS ENROLLED FOR MASTER'S DEGREES		
		SOURCES OF MAJOR SUPPORT				TOTAL	OF THE TOTAL IN (E), HOW MANY ARE:		FOREIGN STUDENTS	TOTAL	OF THE TOTAL IN (I), HOW MANY ARE:	
		FEDERAL GOVERNMENT SUPPORT	INSTITUTIONAL SUPPORT	OTHER OUTSIDE SUPPORT	SELF-SUPPORT	(SUM OF (A) THRU (D))	MEN	WOMEN			MEN	WOMEN
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
1562	ALL AREAS OF SCIENCE	2359	4213	838	12566	19976	11802	8174	1752	36292	22834	13458
167	ENGINEERING	104	139	58	653	954	892	62	358	4239	4010	229
192	PHYSICAL SCIENCES	51	445	50	263	809	622	187	144	1274	976	298
52	ENVIRONMENTAL SCIENCES	31	145	14	201	391	312	79	39	828	648	180
178	MATHEMATICAL SCIENCES	62	315	13	569	959	695	264	183	3052	2089	563
374	LIFE SCIENCES	536	1374	191	2804	4905	2668	2237	314	8141	3914	4227
177	PSYCHOLOGY	387	1001	192	3173	4753	2417	2336	125	6484	2942	3542
422	SOCIAL SCIENCES	1188	794	320	4903	7205	4196	3009	589	12274	8255	4019

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977

TABLE IV-B-2
SUMMARY OF RESPONSES FROM PUBLICLY CONTROLLED MASTER'S-GRANTING INSTITUTIONS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME STUDENTS ENROLLED FOR MASTER'S DEGREES								PART-TIME STUDENTS ENROLLED FOR MASTER'S DEGREES		
		SOURCES OF MAJOR SUPPORT				TOTAL	OF THE TOTAL IN (E), HOW MANY ARE:		FOREIGN STUDENTS	TOTAL	OF THE TOTAL IN (I), HOW MANY ARE:	
		FEDERAL GOVERNMENT SUPPORT	INSTITUTIONAL SUPPORT	OTHER OUTSIDE SUPPORT	SELF-SUPPORT	(SUM OF (A) THRU (D))	MEN	WOMEN			MEN	WOMEN
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
1095	ALL AREAS OF SCIENCE	1462	3471	424	8163	13520	8167	5353	1185	24028	14609	9419
89	ENGINEERING	73	86	17	456	632	578	54	182	2608	2443	165
133	PHYSICAL SCIENCES	42	359	38	211	650	501	149	126	928	705	223
46	ENVIRONMENTAL SCIENCES	31	139	14	157	341	270	71	24	675	520	155
138	MATHEMATICAL SCIENCES	46	277	12	358	693	475	218	107	1874	1181	693
269	LIFE SCIENCES	420	1148	136	2072	3776	2089	1687	241	5982	2842	3140
116	PSYCHOLOGY	269	801	69	2169	3308	1735	1573	79	4380	2009	2371
304	SOCIAL SCIENCES	581	661	138	2740	4120	2519	1601	426	7581	4909	2672

TABLE IV-B-3
SUMMARY OF RESPONSES FROM PRIVATELY CONTROLLED MASTER'S-GRANTING INSTITUTIONS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME STUDENTS ENROLLED FOR MASTER'S DEGREES								PART-TIME STUDENTS ENROLLED FOR MASTER'S DEGREES		
		SOURCES OF MAJOR SUPPORT				TOTAL	OF THE TOTAL IN (E), HOW MANY ARE:		FOREIGN STUDENTS	TOTAL	OF THE TOTAL IN (I), HOW MANY ARE:	
		FEDERAL GOVERNMENT SUPPORT (A)	INSTITUTIONAL SUPPORT (B)	OTHER OUTSIDE SUPPORT (C)	SELF-SUPPORT (D)	(SUM OF (A) THRU (D)) (E)	MEN (F)	WOMEN (G)	(H)	(I)	MEN (J)	WOMEN (K)
467	ALL AREAS OF SCIENCE	897	742	414	4403	6456	3635	2821	567	12264	8225	4039
78	ENGINEERING	31	53	41	197	322	314	8	176	1631	1567	64
59	PHYSICAL SCIENCES	9	86	12	52	159	121	38	18	346	271	75
6	ENVIRONMENTAL SCIENCES	0	6	0	44	50	42	8	15	153	128	25
40	MATHEMATICAL SCIENCES	16	38	1	211	266	220	46	76	1178	908	270
105	LIFE SCIENCES	116	226	55	732	1129	579	550	73	2159	1072	1087
61	PSYCHOLOGY	118	200	123	1004	1445	682	763	46	2104	933	1171
118	SOCIAL SCIENCES	607	133	182	2163	3085	1677	1408	163	4693	3346	1347

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977

TABLE IV-C-1
SUMMARY OF RESPONSES FROM
ALL GRADUATE INSTITUTIONS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME STUDENTS								PART-TIME STUDENTS		
		SOURCES OF MAJOR SUPPORT				TOTAL	OF THE TOTAL IN (E), HOW MANY ARE:		FOREIGN STU-DENTS	TOTAL	OF THE TOTAL IN (I), HOW MANY ARE:	
		FEDERAL GOVERN-MENT SUPPORT	INSTI-TU-TIONAL SUPPORT	OTHER OUTSIDE SUPPORT	SELF-SUPPORT	(SUM OF (A) THRU (D))	MEN	WOMEN			MEN	WOMEN
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
9513	ALL AREAS OF SCIENCE	52667	84721	19279	81535	238202	166286	71916	38752	124776	85353	39423
1190	ENGINEERING	10854	10865	5372	11679	38770	36102	2668	13993	34531	32476	2055
687	PHYSICAL SCIENCES	6649	12642	1402	1837	22530	19328	3202	4719	4255	3412	843
312	ENVIRONMENTAL SCIENCES	3027	3518	725	2355	9625	8039	1586	1114	2748	2288	460
561	MATHEMATICAL SCIENCES	1284	8239	757	4164	14444	11409	3035	3320	9571	6884	2687
4755	LIFE SCIENCES	19566	22958	5651	21069	69244	42092	27152	7255	26079	11542	14537
469	PSYCHOLOGY	4278	8393	1488	11724	25883	13857	12026	744	13151	6413	6738
1539	SOCIAL SCIENCES	7009	18106	3884	28707	57706	35459	22247	7607	34441	22338	12103

SURVEY OF GRADUATE SCIENCE STUDENT
SUPPORT AND POSTDOCTORALS, FALL 1977

TABLE IV-C-2
SUMMARY OF RESPONSES FROM
ALL MASTER'S DEPARTMENTS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME STUDENTS ENROLLED FOR MASTER'S DEGREES								PART-TIME STUDENTS ENROLLED FOR MASTER'S DEGREES		
		SOURCES OF MAJOR SUPPORT				TOTAL	OF THE TOTAL IN (E), HOW MANY ARE:		FOREIGN STU-DENTS	TOTAL	OF THE TOTAL IN (I), HOW MANY ARE:	
		FEDERAL GOVERN-MENT SUPPORT	INSTI-TU-TIONAL SUPPORT	OTHER OUTSIDE SUPPORT	SELF-SUPPORT	(SUM OF (A) THRU (D))	MEN	WOMEN			MEN	WOMEN
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
3139	ALL AREAS OF SCIENCE	8623	13649	2525	27793	52590	30531	22059	5096	63733	41083	22650
407	ENGINEERING	860	1181	428	1992	4461	4098	363	1344	13805	12930	875
285	PHYSICAL SCIENCES	93	1006	81	407	1587	1251	336	310	1693	1323	370
117	ENVIRONMENTAL SCIENCES	206	713	111	594	1624	1348	276	129	1152	920	232
292	MATHEMATICAL SCIENCES	156	1163	87	1445	2851	2077	774	582	5086	3496	1590
963	LIFE SCIENCES	4130	4013	782	7919	16844	7807	9037	1094	14531	6052	8479
232	PSYCHOLOGY	500	1613	207	4003	6323	3160	3163	162	7221	3252	3969
843	SOCIAL SCIENCES	2678	3960	829	11433	18900	10790	8110	1475	20245	13110	7135